

**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	
Company Amoco Production Company		Connection	
Pool Bravo Dome Carbon Dioxide Gas Unit-640 Acre Area		Formation	
Completion Date 12-1-85		Total Depth 2517	Plug Back TD 2454
		Elevation 4505	Unit BDCDGU
Csg. Size 7	Wt. 20	Set At 2518	Perforations: From 2320 To 2380
Tbg. Size 3-1/2	Wt. 9.3	Set At 2156	Perforations: From To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single			Packer Set At 2126
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2350	Mean Annual Temp. °F 50
		Baro. Press. - P _a 12.25	County Union
L 2350		H 2350	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 3.000			179	4	45	356	45			
2.	4.026 x 3.000			151.1	6.5	46	191.25	46			1.5
3.	4.026 x 3.000			125.7	6.5	47	163.35	47			1.5
4.	4.026 x 3.000			99.5	9	47	137.95	47			1.5
5.						47	111.75	47			1.5

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, F _{pv}	Rate of Flow Q, Mcfd
1.							1281
2.							1314
3.							1400
4.							1491
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1.					0	
2.						
3.						
4.						
5.						

A.P.I. Gravity of Liquid Hydrocarbons		Deg.	
Specific Gravity Separator Gas		1.529	
Specific Gravity Flowing Fluid		X X X X X	
Critical Pressure		1072 P.S.I.A.	
Critical Temperature		496 R	

P _c 368.2	P _c ² 135,571
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NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²
1.		191.3		98.975
2.		163.4		108.871
3.		138		116.527
4.		112		123.027
5.				

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.1$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1594$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.069$$

Absolute Open Flow	1594	Mcf/d @ 15.025	Angle of Slope θ	Slope, n 70
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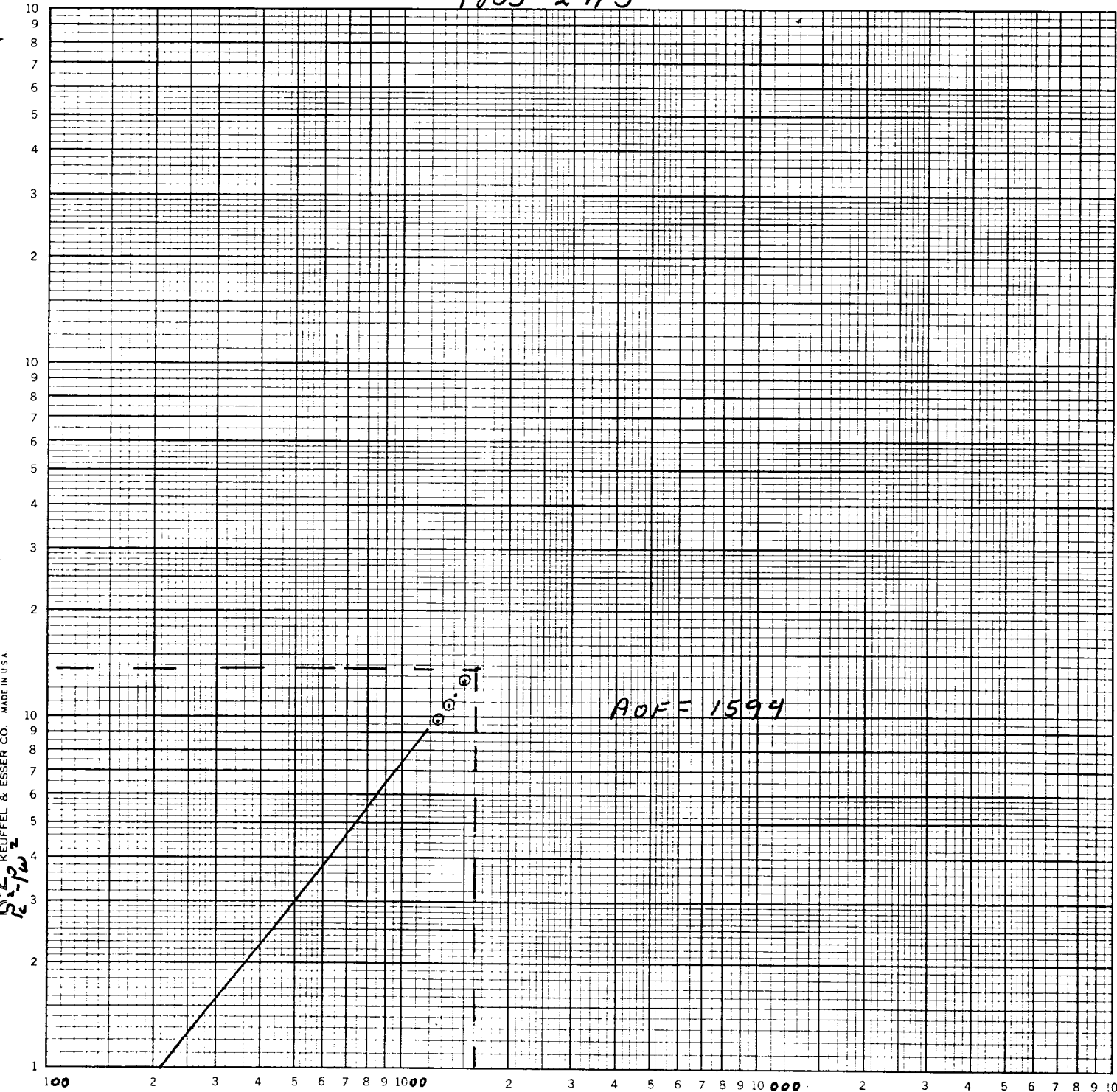
Remarks:

Approved by Commission:	Conducted By:	Calculated By: Don Kimble	Checked By:
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1835 24/5

46 7400

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



AOF = 1594

$$Q = MCFD$$