

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 9-2-93		30-059-20307	
Company AMOCO PRODUCTION COMPANY				Connection			
Pool BRAVO LIME CARBON DIOXIDE GAS UNIT				Formation TUBB		Unit BDCD6U	
Completion Date 7-20-93		Total Depth 2509		Plug Back TD 2499		Elevation 4950' GL	
Form or Lease Name BDCD6U				Well No. 2233-311J			
Csg. Size 4 1/2"	Wt. 4.49	d 3.95	Set At 2322	Perforations: From To		Unit Sec. Twp. Rge. J 31 22N 33E	
Thq. Size -	Wt. -	d -	Set At -	Perforations: From To		County	
Type well - Single - Broadhead - G.C. or G.O. Multiple SINGLE				Packer Set At		State NEW MEXICO	
Producing thru CASING		Reservoir Temp. °F 95 = 2		Mean Annual Temp. °F 50		Baro. Press. - P _a 12.2	
H 2499		G _g 1.529	% CO ₂ 100	% N ₂ 0	% H ₂ S 0	Prover	Meter Run 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
SI				270							
1.	4.026 x		0.250	210							0.33 hr
2.	4.026 x		0.375	200							0.33 hr
3.	4.026 x		0.500	170							0.25 hr
4.	4.026 x		0.750	107							0.48 hr
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							208
2							458
3							726
4							1540
5							

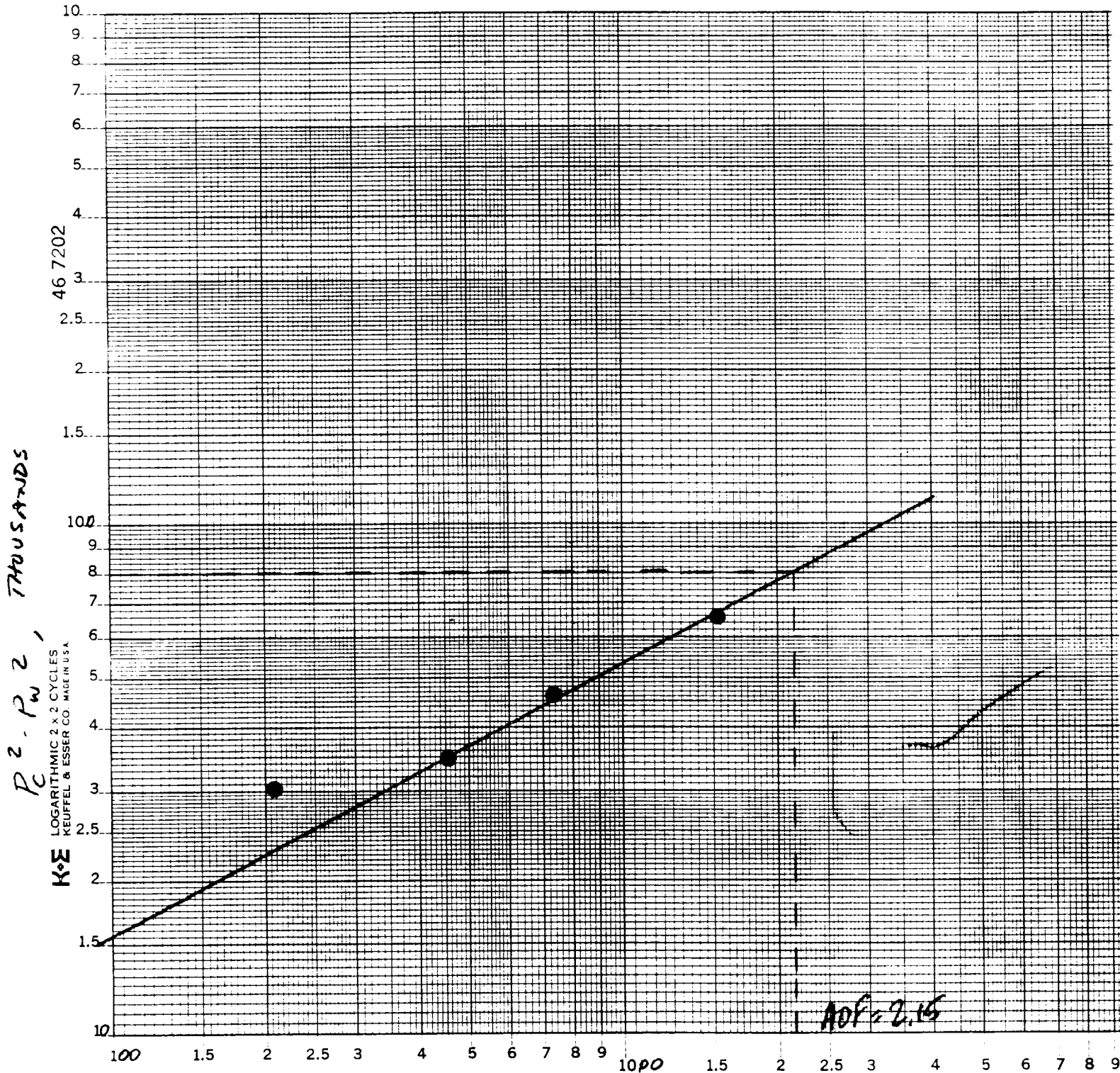
NO.	P _r	Temp. °R	T _g	Z	Gas Liquid Hydrocarbon Ratio DRY Mcf/bbl.	A.P.I. Gravity of Liquid Hydrocarbons DRY Deg.	Specific Gravity Separator Gas 1.529 XXXXXXXXXX	Specific Gravity Flowing Fluid XXXXX	Critical Pressure 1072 P.S.I.A.	Critical Temperature 547 °R
1										
2										
3										
4				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

P _r 282.2	P _c ² 79.637	(1) $\frac{P_c^2}{P_r^2 - P_w^2} = 2.6$	(2) $\left[\frac{P_c^2}{P_r^2 - P_w^2} \right]^n = 1.66$
NO. 1	P _w 222.2	P _r ² 49.373	P _r ² - P _w ² 30.624
2	212.2	45.029	34.608
3	182.2	33.197	46.140
4	119.2	14.208	65.429
5			

AOF = Q $\left[\frac{P_c^2}{P_r^2 - P_w^2} \right]^n = 2.15$

Absolute Open Flow 2.15 Mcfd @ 15.025	Angle of Slope @	Slope, n 0.53
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2233-3115



Q, (MCFD)

$$n = \log 53 - \log 15.5$$

$$n = 0.53$$