

**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		30-059-2012S	
Company AMOCO PRODUCTION COMPANY				Connection			
Pool BRAVO DOME CARBON DIOXIDE GAS UNIT				Formation TUBB		Unit BDCDGL	
Completion Date 7/7/93		Total Depth 3455		Plug Back TD 2460		Elevation 4885	
Csg. Size 4 1/2" FG		Wt. 4.49		Set At 3463		Perforations: From 2420 To 2450	
Tub. Size -		Wt. -		Set At -		Perforations: From To	
Type well - Single - Firehead - G.G. or G.O. Multiple SINGLE				Packer Set At -		County Union	
Producing thru CASING		Reservoir Temp. °F 95 @ 2420'		Mean Annual Temp. °F 50		Baro. Press. - P _a 12.2	
L -		H 3463		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. in. H ₂ O	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
SI				320							
1.	4.026	x	0.25	225					225		1.5 HRS
2.	4.026	x	0.375	210					210		.6 HRS
3.	4.026	x	0.500	190					190		.5 HRS
4.	4.026	x	0.875	95					95		.5 HRS
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1							221
2							479
3							804
4							1388
5							

NO.	P _t	Temp. °R	T _g	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					DRY	DRY	1.529	XXXXXXX	1072	547
2										
3										
4										
5										

NO.	P _t	P _w	P _w ²	P _t ² - P _w ²
1	237.2	56.264	54.092	
2	222.2	49.373	60.983	
3	202.2	40.885	69.471	
4	107.2	11.492	98.864	
5				

(1) $\frac{P_t^2}{P_t^2 - P_w^2} = 2.043$

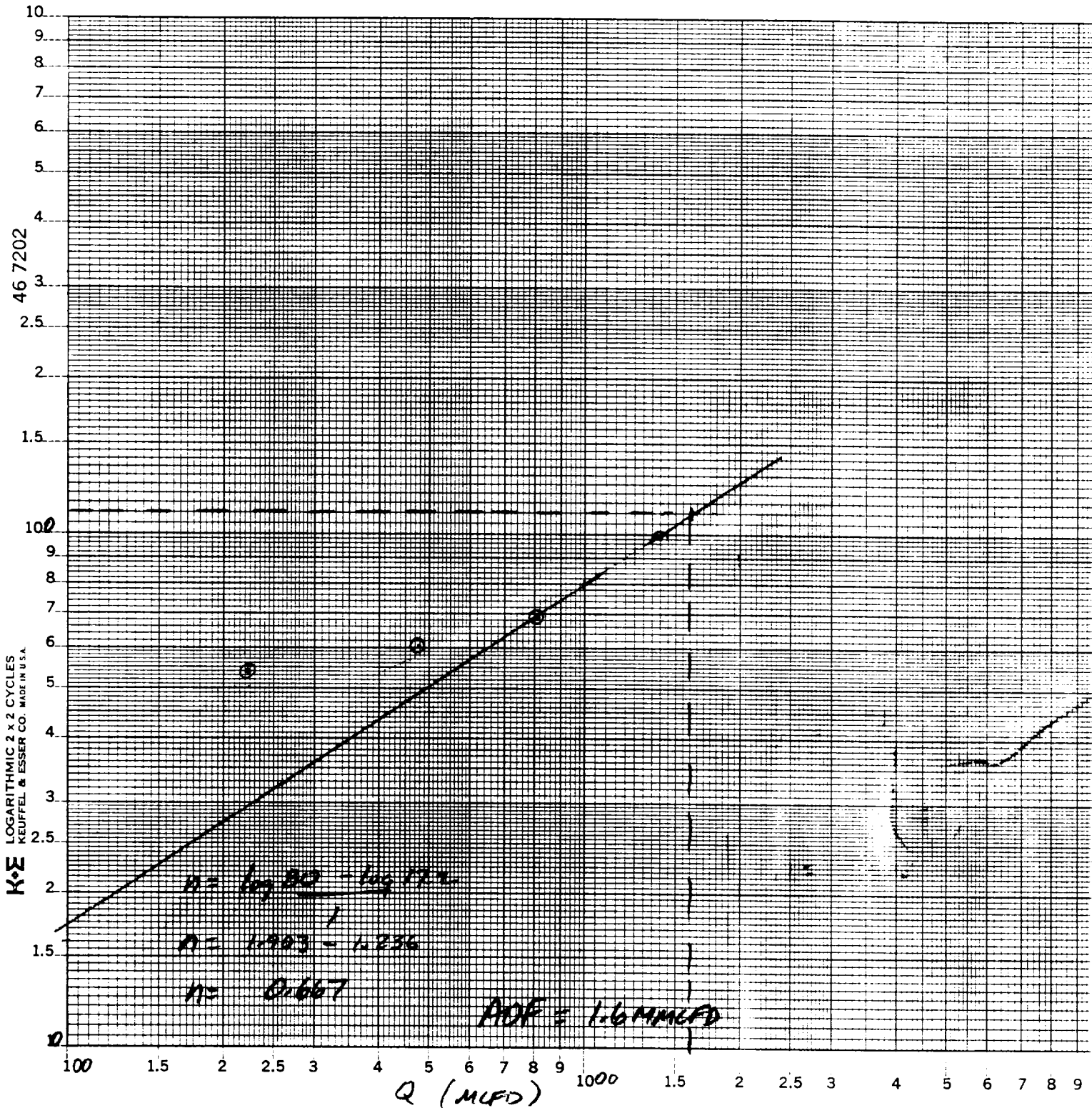
AOF = Q $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n = 1.61$

(2) $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n = 1.610$

Absolute Open Flow	1.6 MMCFD	Mcfd @ 15.025	Angle of Slope @	Slope, n
Remarks: WELL MAKING WATER				

Approved by Commission:	Connected By:	Calculated By:	Checked By:
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2233-261F



NOTE: WELL LOADING UP AT LOWER RATES WITH WATER.