

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65
 DIVISION
 OF OIL & GAS

'91 00-27 AM 9 00

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 06-11-86	
Company AMOCO PRODUCTION COMPANY				Connection	
Pool BRAVO DOME				Formation TUBB	
Completion Date 05-09-81		Total Depth 3223		Plug Back TD 2358-	
Elevation		Unit BDCDGU			
Farm or Lease Name		Well No. 2134-361J			
Csq. Size 5 1/2	Wt. 14#	d 	Set At 3223	Perforations: From 2310 To 2384	
Tbg. Size 2 3/8	Wt. 	d 	Set At 2298	Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple SINGLE				Packer Set At 2090	
Producing Thru TBG				State N. MEXICO	
Reservoir Temp. °F 90 @ 2310		Mean Annual Temp. °F 50		Baro. Press. - P _a 12.25	
L 2310	H 2310	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.	4.026X2.000			158.9	30	53	294.2	50			1 HR
2.	4.026X2.000			141.3	44	53	175	50			1 HR
3.	4.026X2.000			116.2	74	53	114	50			1 HR
4.	4.026X2.000			100.6	100	53	91	50			1 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.							1244
2.							1402
3.							1604
4.							1686
5.							

NO.	R _f	Temp. °R	T _f	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.							1.529			
2.										
3.										
4.										
5.										

NO.	P _c	P _w	P _w ²	P _c ² - P _w ²
1.	306.45	171.15	29.292	64.620
2.	293.911	153.55	23.577	70.335
3.		128.45	16.499	77.412
4.		112.85	12.735	81.176
5.				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.157$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2100$

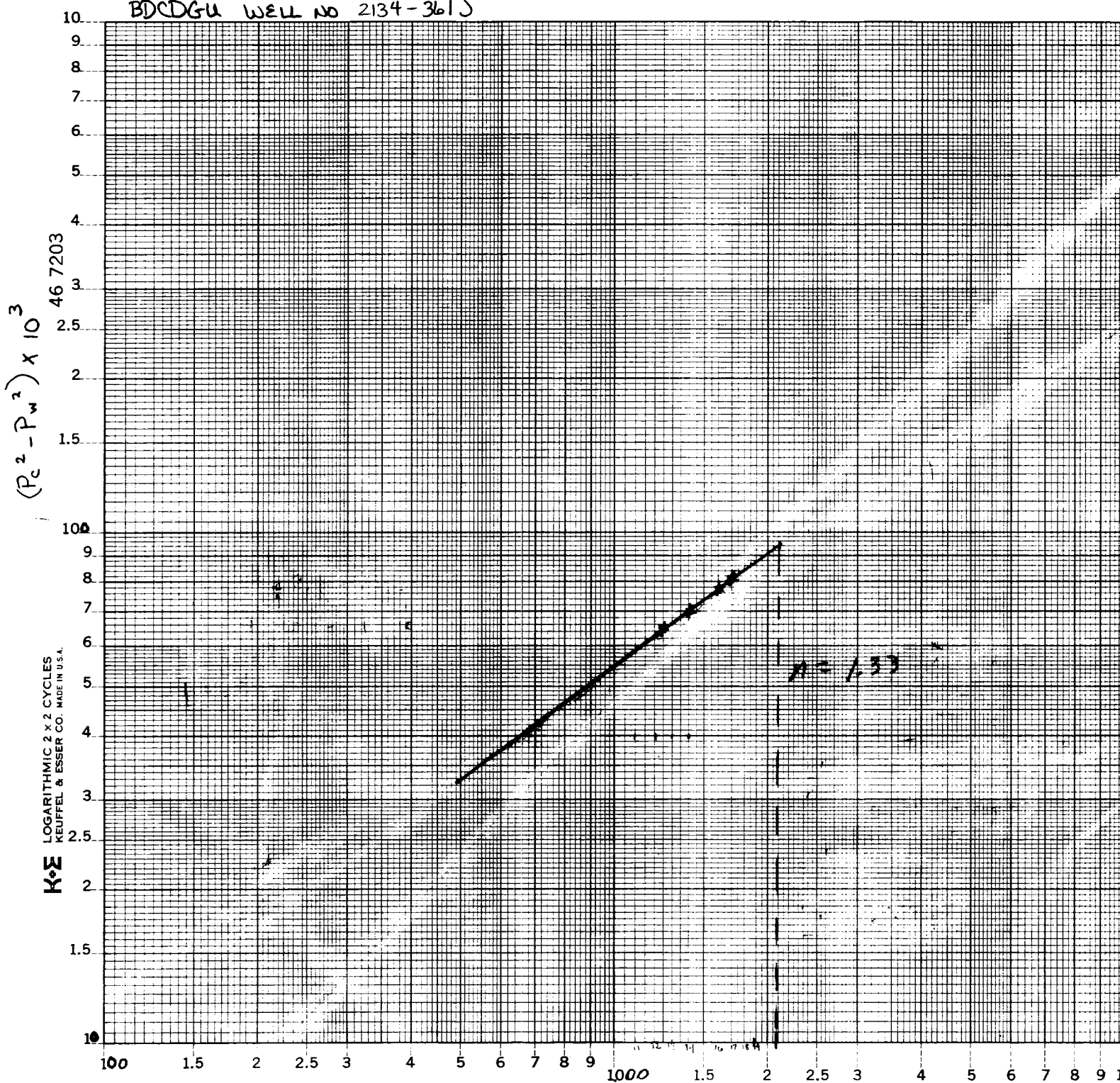
(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.214$

Absolute Open Flow	2100	Mcfd @ 15.025	Angle of Slope θ	Slope, n	1.33
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Remarks: BARTON METER ON SEPARATOR OUT OF CALIBRATION - DATA MAY BE IN ERROR.

Approved By Commission:	Conducted By: MOCK WELL TESTING	Calculated By: STEVE MCCANTS	Checked By:
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BDCDGL WELL NO 2134-3615



AOF = 2.1 MMCFD

$Q \text{ (MCFD)}$

