

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: 5-15-85			
Company: Amoco Production Company				Connection:				
Pool: Bravo Dome Carbon Dioxide Gas Unit 640-acre area				Formation: Tubb				Unit: BDCDGU
Completion Date:		Total Depth: 2910'		Plug Back TD: 2812'		Elevation: 4685' GL		Farm or Lease Name:
Csg. Size: 5-1/2"	Wt.: 14#	d:	Set At: 2893'	Perforations: From 2368' To 2478'		Well No.: 1834 261G		
Tqg. Size: 2-3/8"	Wt.: 4.7#	d:	Set At: 2324'	Perforations: From To		Unit: G Soc: 27 Twp: 18 Rge: 34		
Type Well - Single - Brdenhead - G.G. or G.O. Multiple: Single					Packer Set At: 2293'		County: Union	
Producing Thru: Tubing		Reservoir Temp. °F: 90° @ 2423'		Mean Annual Temp. °F: 50		Baro. Press. - P _a : 12.2		State: New Mexico
L: 2423'	H: 2423'	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.	
SI							324			
1.	4.026 x 0.875			211	59	56	223.2	50		
2.	4.026 x 0.875			235	33	56	247.2	50		24 hrs
3.	4.026 x 0.875			256	19	57	268.2	50		24 hrs
4.	4.026 x 0.875			270	14	57	282.2	50		24 hrs
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							339
2							275
3							222
4							190
5							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ 0 _____ Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons _____ 0 _____ Deg.
2					Specific Gravity Separator Gas _____ 1.529 _____ X X X X X X X X
3					Specific Gravity Flowing Fluid _____ X X X X X _____
4					Critical Pressure _____ 1072 _____ P.S.I.A. _____ P.S.I.A.
5					Critical Temperature _____ 547 _____ R _____ R

P _c 336.2	P _c ² 113.03					
NO.	F _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.79$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.70$
1		223.2		63.212		
2		247.2		51.923		
3		268.2		41.099		
4		282.2		33.394		
5						

AOG = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 575$

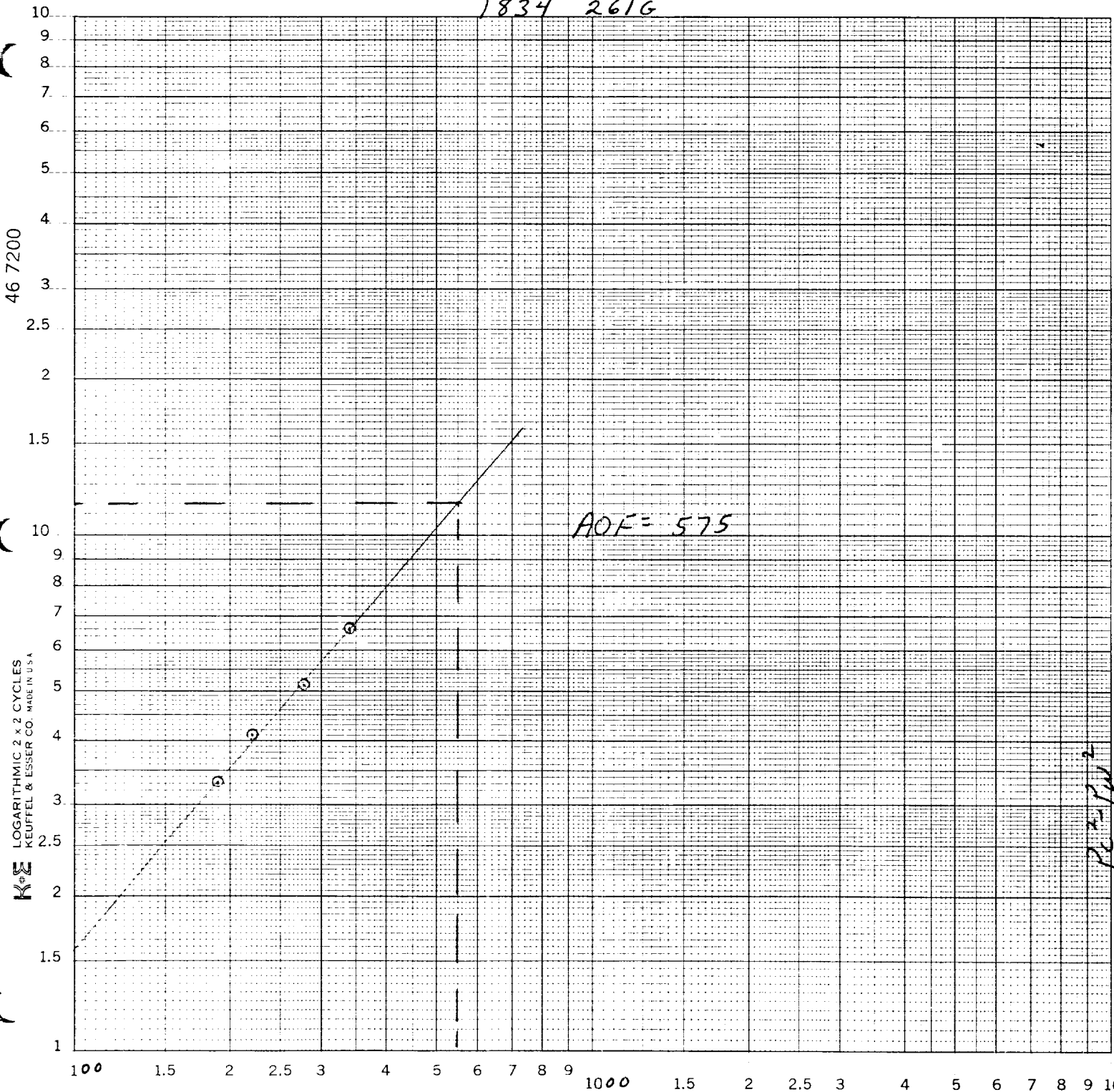
Absolute Open Flow 575 _____ Mcfd @ 15.025

Angle of Slope θ _____ Slope, n .91

Remarks: _____

Approved by Commission:	Conducted By:	Calculated By: D. D. Kimble	Checked By:
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1834 2616



$$Q = MCF$$