NEW MEXICO OIL CONSERVATION COMMSSION

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: Tubb		Unit: BDCDGU	
Completion Date: 2-2-84	Total Depth: 2825'	Plug Back TD: 2750'	Elevation: 4865' G.L.	Farm or Lease Name	
Csg. Size: 7" / Wt.: 20# / d / Set At: 2825'		Perforations: From 2506' To 2602'		Well No.: 1933 261G	
Tbg. Size: 3½" / Wt.: 9.3# / d / Set At: 2485'		Perforations: From To		Unit: G / Sec.: 26 / Twp.: 19 / Rge.: 33	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: 2446'		County: Harding	
Producing Thru: Tubing	Reservoir Temp. °F: 93° @ 2554'	Mean Annual Temp. °F: 50	Baro. Press. – P_a: 12.2	State: New Mexico	

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
2554'	2554'	1.529	100	0	0		4.0"	Flange

	FLOW DATA					TUBING DATA		CASING DATA		
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	Duration of Flow
SI						374				
1.	4.026	x 1.000	275	9	57	306	50			24hr
2.	"	"	253	12	58	286	"			"
3.	"	"	221	22	58	250	"			"
4.	"	"	201	31	58	229	"			"
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							209
2.							232
3.							291
4.							329
5.							

NO.	P_t	Temp. °R	T_r	Z
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio 0 Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons 0 Deg.
Specific Gravity Separator Gas 1.529 XXXXXXXXX
Specific Gravity Flowing Fluid XXXXX
Critical Pressure 1072 P.S.I.A. P.S.I.A.
Critical Temperature 547 R R

P_c 386.2 P_c^2 149.150

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		318.2		47.899
2		298.2		60.227
3		262.2		80.402
4		241.2		90.973
5				

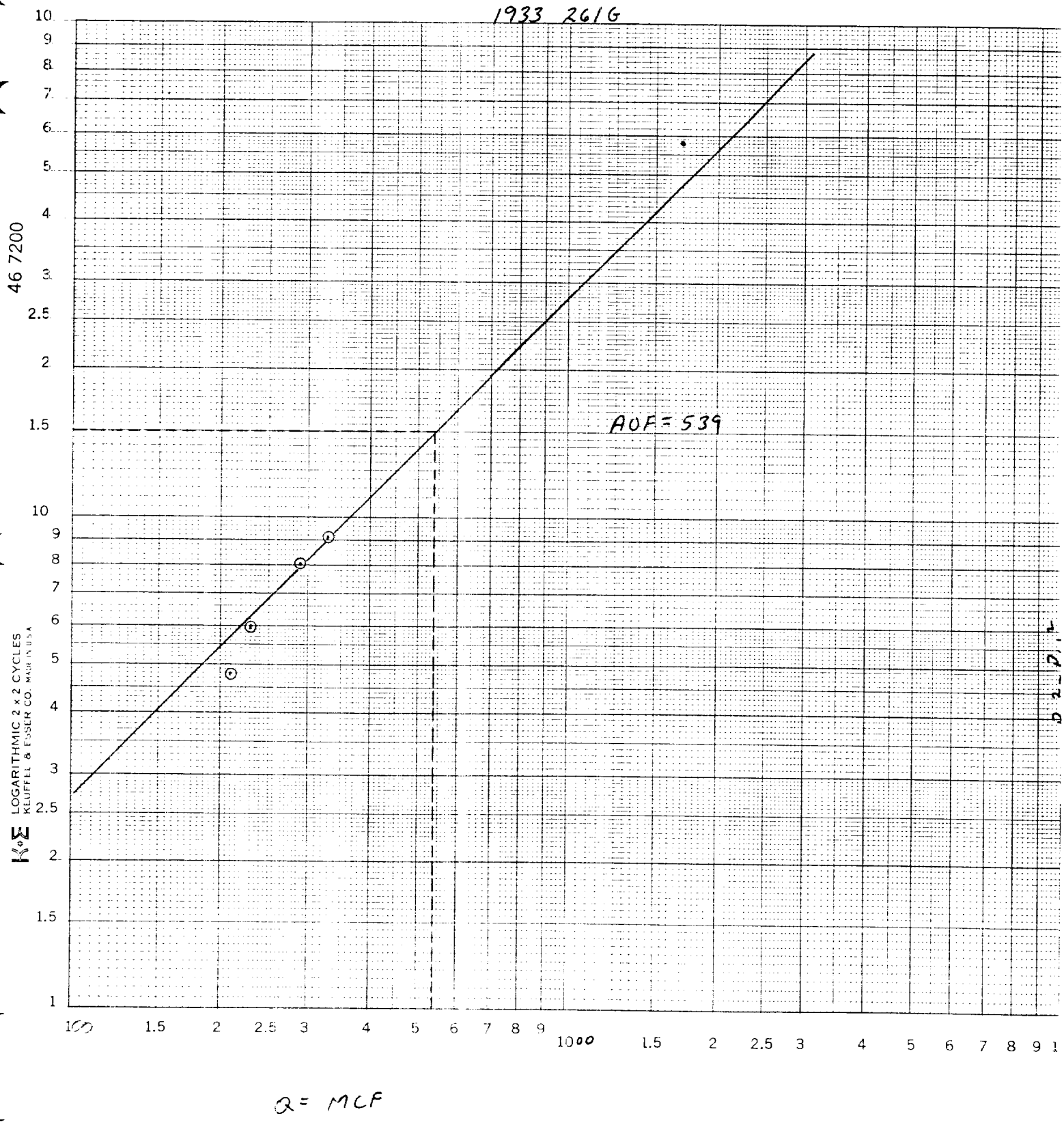
(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.640$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.640$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 539$

Absolute Open Flow 539 Mcfd @ 15.025 Angle of Slope θ Slope, n 1.0

Remarks:

Approved By Commission:	Conducted By:	Calculated By: D. D. Kimble	Checked By:


1933 261G
AOF = 539
46 7200
LOGARITHMIC 2 x 2 CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.
Q = MCF