NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [XX] Initial [ ] Annual [ ] Special			Test Date: 7-30-85		
Company: Amoco Production Company		Connection:			
Pool: Bravo Dome Carbon Dioxide Gas Unit 640 Acre Area		Formation: Tubb		Unit: BDCDGU	
Completion Date: 9-3-85	Total Depth: 2985	Plug Back TD: 2926	Elevation:	Farm or Lease Name:	
Csg. Size: 4-1/2 / Wt.: 10.5 / d: / Set At: 2982		Perforations: From 2542 To 2609		Well No.: 1834 161 A	
Tbg. Size: 2-3/8 / Wt.: 4.7 / d: / Set At: 2497		Perforations: From To		Unit: A / Sec.: 16 / Twp.: 18 / Rge.: 34	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: 2493		County: Union	
Producing Thru: Tubing	Reservoir Temp. °F: 90 @ 2576	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
2576	2576	1.529	100	0	0		4.0	Flange

NO.	FLOW DATA: Prover Line Size X Orifice Size	Press. p.s.i.g.	Diff. h_w	Temp. °F	TUBING DATA: Press. p.s.i.g.	Temp. °F	CASING DATA: Press. p.s.i.g.	Temp. °F	Duration of Flow
SI					287				
1.	4.026 x 1.875	188	25	55	188	50			24 hrs.
2.	" "	188	24	55	188	"			"
3.	" "	210	19	56	210	"			"
4.	" "	239	17	60	239	"			"
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							1330
2.							1307
3.							1120
4.							826
5.							

NO.	P_t	Temp. °R	T_t	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 299.2 P_c^2 89.520

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		200.2		49.440
2		200.2		49.440
3		222.2		40.148
4		251.2		26.419
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.81$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.57$

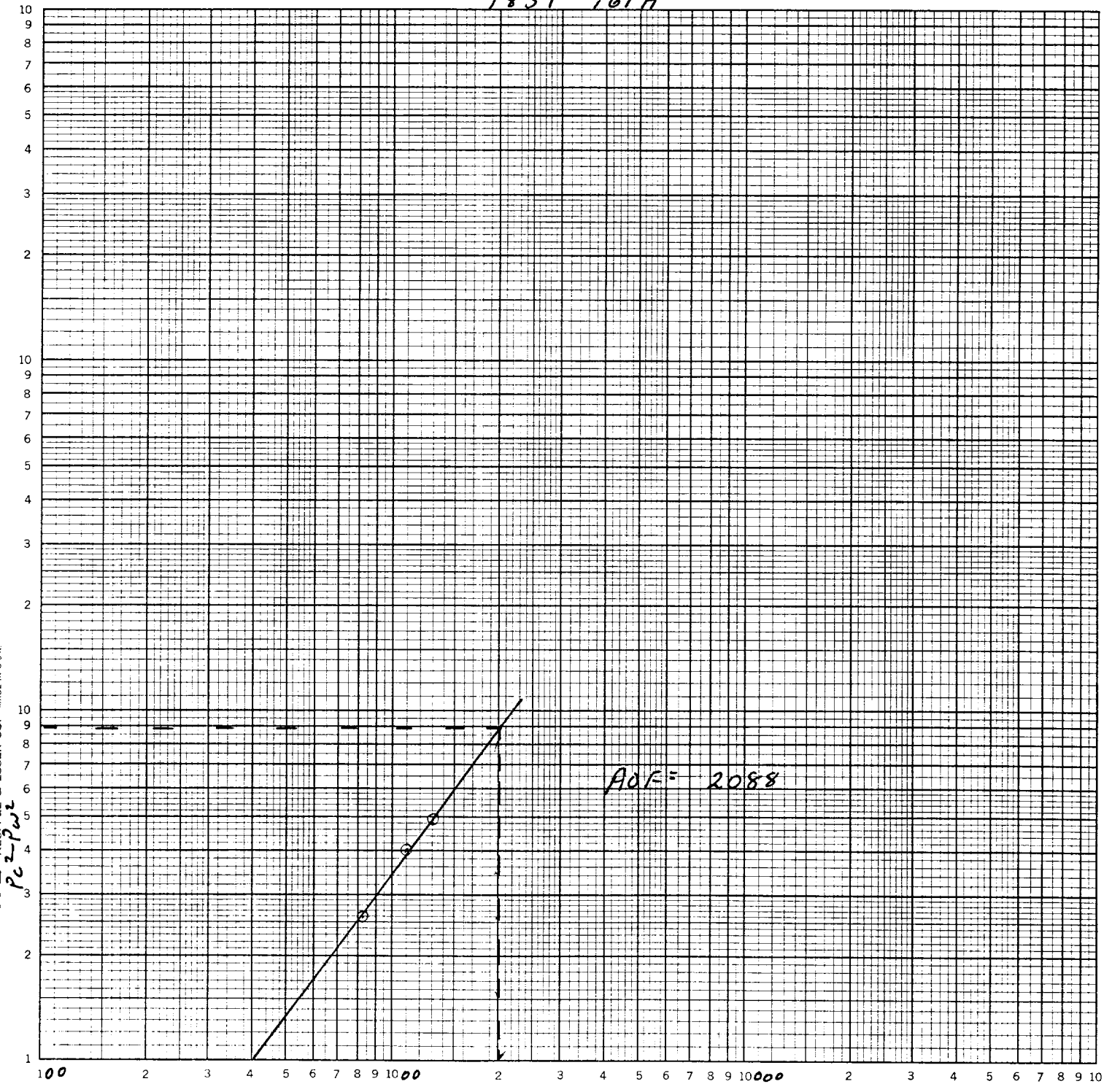
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2088$

Absolute Open Flow 2088 Mcfd @ 15.025 Angle of Slope θ ____ Slope, n .76

Remarks:

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

1834 161A


AOF = 2088
Q = MCFD
$P_c - P_{wf}^2$
KE LOGARITHMIC 3 X 3 CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.
46 7400