NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [x] Initial [ ] Annual [ ] Special				Test Date	30-059-20304
Company: AMOCO PRODUCTION COMPANY		Connection			
Pool: BRAVO DOME CARBON DIOXIDE GAS UNIT		Formation: TUBB		Unit: BDCDGU	
Completion Date: 7/7/93	Total Depth: 2339	Plug Back TD: -	Elevation: 4790' GL	Farm or Lease Name	
Csg. Size: 4½" FG / Wt.: 449 / d: 3.95	Set At: 2153	Perforations: From 2153 To OPEN HOLE 2339		Well No.: 2233-281 F	
Tbg. Size / Wt. / d	Set At	Perforations: From To		Unit: F / Sec.: 28 / Twp.: 22N / Rge.: 33E	
Type well – Single – Bradenhead – G.G. or G.O. Multiple: SINGLE		Packer Set At: -		County: UNION	
Producing Thru: CASING	Reservoir Temp. °F: 95	Mean Annual Temp. °F: 50	Baro. Press. – P_a: 12.2	State: NEW MEXICO	
– / H: 2339	Gg: 1.529	% CO_2: 100	% N_2: 0	% H_2S: 0	Prover / Meter Run / Taps: 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			260							
1.	4.026	x 0.250	235							0.5 HR
2.	4.026	x 0.375	205							0.5 HR
3.	4.026	x 0.500	185							0.5 HR
4.	4.026	x 0.750	130							0.5 HR
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							230
2.							469
3.							784
4.							1830
5.							

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

Gas Liquid Hydrocarbon Ratio: DRY Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons: DRY 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 272.2 P_c^2 74.093

NO.	P_w	P_w^2	$P_c^2 - P_w^2$
1	247.2	61.108	12.984
2	217.2	47.175	26.918
3	197.2	38.888	35.204
4	142.2	20.220	53.872
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 5.706$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2.47$

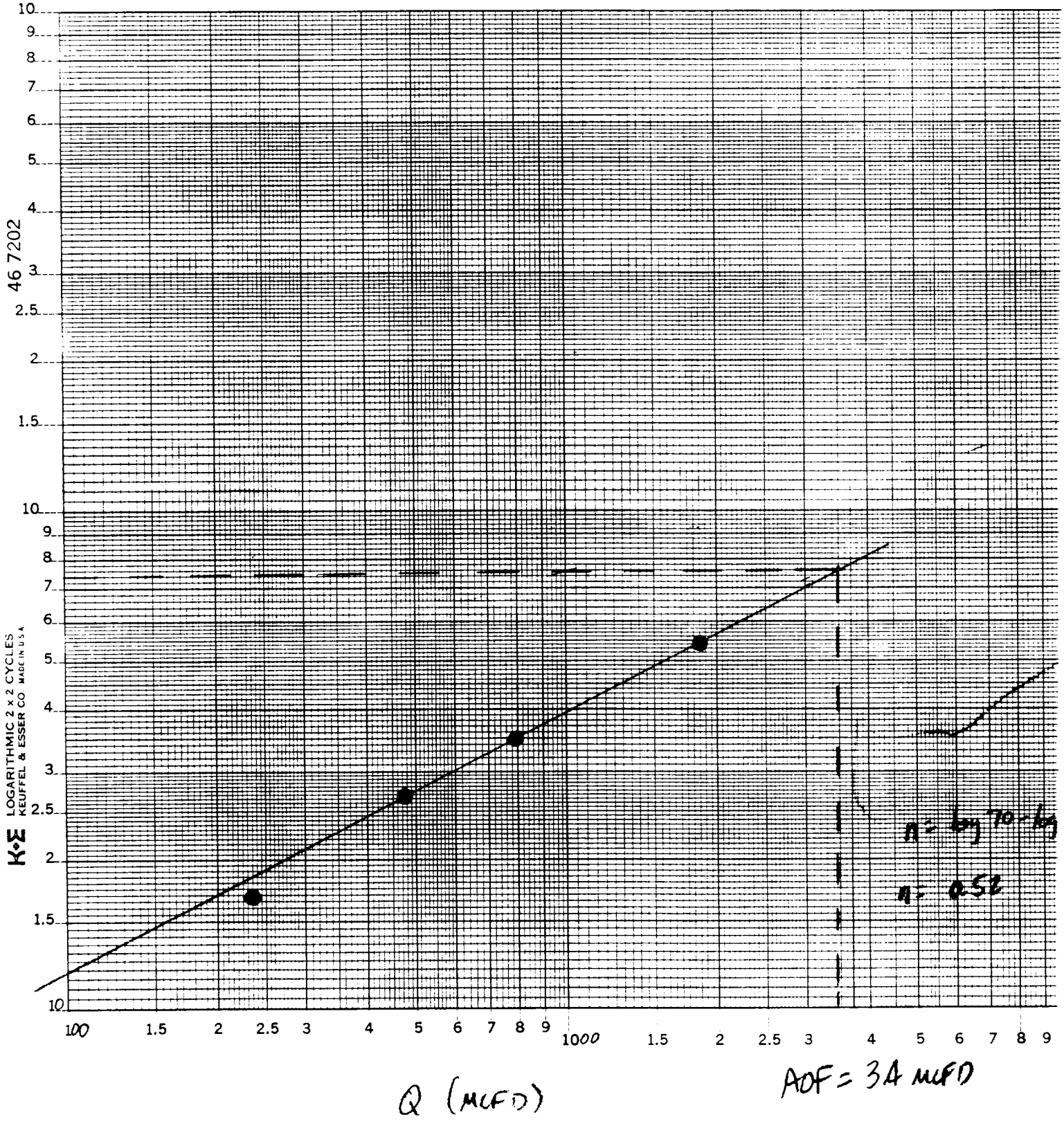
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3.4$

Absolute Open Flow: 3.4 Mcfd @ 15.025 Angle of Slope θ: Slope, n: 0.52

Remarks:

Approved By Commission: Conducted By: Calculated By: Checked By:

2233-281F


46 7202
K•E LOGARITHMIC 2 x 2 CYCLES
KEUFFEL & ESSER CO MADE IN U.S.A.
Pc2 - Pw2 / thousands
Q (MCFD)
AOF = 34 MCFD
n = 0.52