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: 6-4-85

Company: Amoco Production Company — Connection:

Pool: Bravo Dome Carbon Dioxide Gas Unit - 640-Acre Area — Formation: Tubb — Unit: BDCDGU

Completion Date	Total Depth	Plug Back TD	Elevation	Farm or Lease Name
1-16-84	2721'	2585'	4638 G.L.	

Csg. Size	Wt.	d	Set At	Perforations	Well No.
7"	20#		2721'	From 2104' To 2262'	1835 071A
Tbg. Size	Wt.	d	Set At	Perforations	Unit / Sec. / Twp. / Rge.
3½"	9.3#		2061'	From To	A / 7 / 18 / 35

Type Well – Single – Bradenhead – G.G. or G.O. Multiple	Packer Set At	County
Single	2031'	Union

Producing Thru	Reservoir Temp. °F	Mean Annual Temp. °F	Baro. Press. – P_a	State
Tubing	@ 2183'	50	12.2	New Mexico

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
2183'	2183'	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							344				
1.	4.026	x	2.5	240	32	59	252.2	50			24 hr
2.	"		"	262	20	59	274.2	"			24 hr
3.	"		"	282	12	59	294.2	"			24 hr
4.	"		"	307	6	59	319.2	"			24 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							2338
2.							1928
3.							1555
4.							1056
5.							

NO.	P_r	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 356.2 P_c^2 126.878

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		252.2		63.273
2		274.2		51.693
3		294.2		40.325
4		319.2		24.990
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.0$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.819$

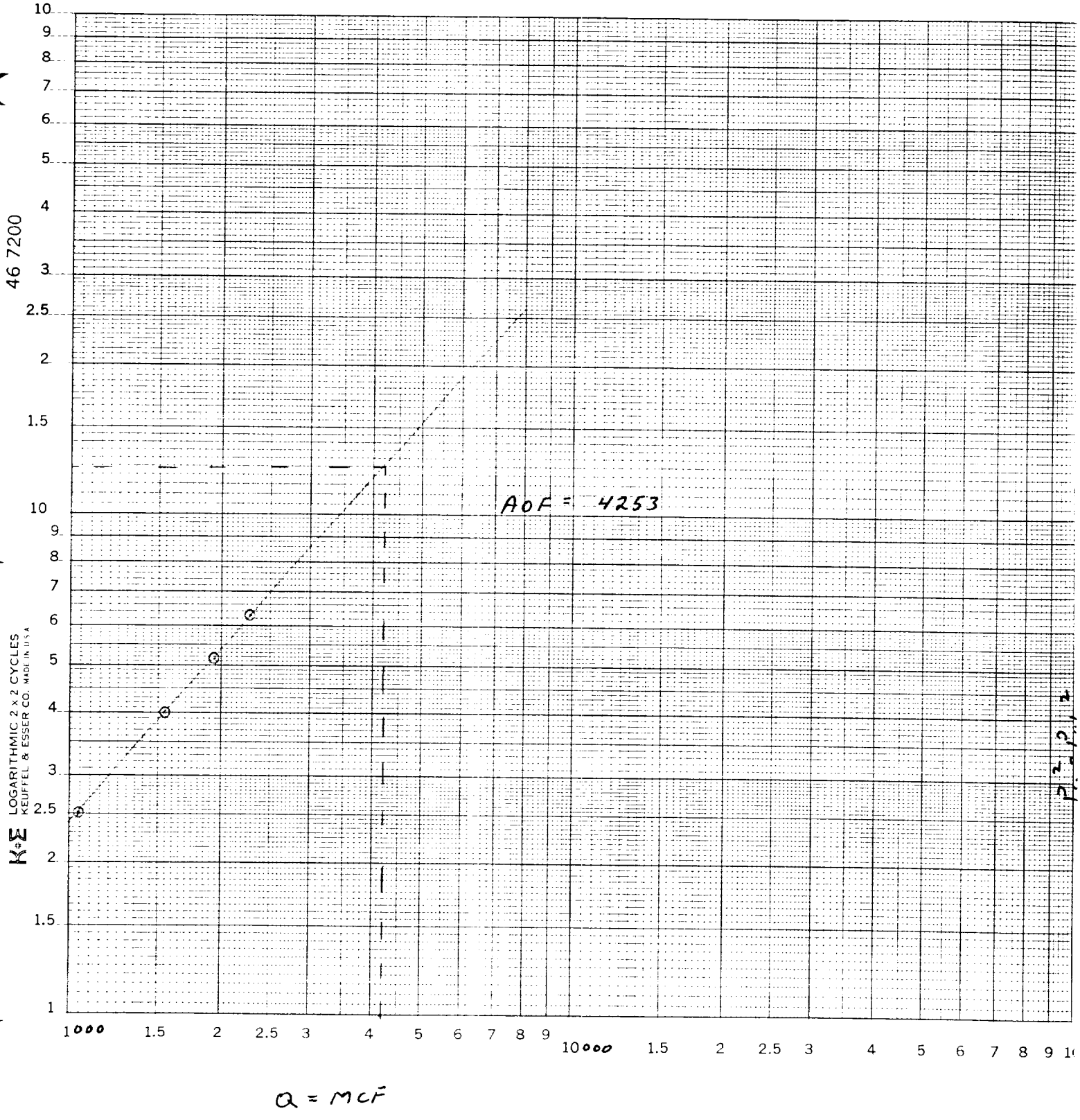
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 4253$

Absolute Open Flow 4253 Mcfd @ 15.025 — Angle of Slope θ — Slope, n .86

Remarks:

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

1835 071A


AOF = 4253
Q = MCF
LOGARITHMIC 2 x 2 CYCLES
KEUFFEL & ESSER CO. MADE IN U.S.A.
46 7200

WELL NAME AND NUMBER BDCDGU 1835 #071A

LOCATION
(New Mexico give U, S, T, & R; Texas give S, Blk., Sur. & Twp. when required)

OPERATOR Amoco Production Co.

DRILLING CONTRACTOR Aztec Well Servicing Co., Inc.

The undersigned hereby certifies that he is an authorized representative of the drilling contractor who drilled the above-described well and that he has conducted deviation tests and obtained the following results:

Degrees @ Depth	Degrees @ Depth	Degrees @ Depth	Degrees @ Depth
½° @ 500'			
1° @ 725'			
1° @ 1365'			
1° @ 1596'			
3/4° @ 2022'			
1° @ 2530'			
1° @ 2721'			

Drilling Contractor Aztec Well Servicing Co, Inc

By Sally Tinker

Subscribed and sworn to before me this 17th day of June 19 86

Douglas C Hatfield
Notary Public

OFFICIAL SEAL
DOUGLAS C. HATFIELD
NOTARY PUBLIC - STATE OF NEW MEXICO

My Commission Expires: 10-29-86
date

10-29-86

San Juan County, New Mexico