NEW MEXICO OIL CONSERVATION COMMISSION — Form C-122

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL — Revised 9-1-63

Type Test	Test Date	API Number
[X] Initial [ ] Annual [ ] Special	6/20/96	30-059-20315

Company	Connection	
Amoco Corporation	Bravo Dome CO2 Plant	

Pool	Formation	Unit
N/A	Tubb	BDCDGU

Completion Date	Total Depth	Plug Back Depth	Elevation	Farm or Lease Name
8/1/95	2392'	2378'	4811'	Bravo Dome

Csg. Size	Wt.	Csg. Inside Dia	Set At	Perforations		Well Number
5 1/2"	FG	4.795"	2392'	From 2224'	To 2380'	2134-251F

Tbg. Size	Wt.	Tbg. Inside Dia	Set At.	Perforations		Unit Sec. Twp. Rge.
NA	x	x	x	From x	To x	sec25T21R34

Type well -Single-Bradenhead-G.G. or G.O. Multiple	Packer Set At	County
Single	na	Union

Producing Through	Reservoir Temp, F	Mean Annual Temp, F	Baro. Press. - PSIA	State
csg	95	60	12.2	New Mexico

Flow Channel, L	Depth, H	Gg	%CO2	%N2	%H2S		Prover	Meter Run	Taps
2392'	2392'	1.5192	100	0	0		ORIFICE	4 inch	FLANGE

	FLOW DATA					TUBING DATA		CASING DATA		
NO.	Prover Size	X	Stat. Pres psig	Diff.Press.	Tem	Press. p.s.i.g.	Temp. 'F	Press. p.s.i.g.	Temp. 'F	Duration of Flow
SI						205				24 hour
1.						190				60 MIN
2.						176				60 MIN
3.						162				60 MIN
4.						130				60 MIN
5.						0				

RATE OF FLOW CALCULATIONS

NO.	Coeffici (24 H	$\sqrt{hw * Pm}$	Pressure Pm	Flow Temp. Fact Ft	Gravity Factor F	Super Compressibility	Rate of Flow Q, Mcfd Values	Log(10)
SI							0	
1.							2584	3.4123
2.							3324	3.5217
3.							3680	3.5658
4.							4600	3.6628
5.							5718	AOF

NO.		Temp,		
1.				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio	N/A Mcf/bbl
A. P. I. Gravity of Liquid Hydrocarbon	N/A Deg.
Specific Gravity Separator Gas	N/A
Specific Gravity Flowing Fluid	1.5192
Critical Pressure	1072 P.S.I.A.
Critical Temperature	548 R

Pc 217.2 Pc^ 47,176 1000

NO.	P t^2	Pw	P w^2	Pc^2 - P w^	Pc^2 - P w^2 Log(10)
SI		217.2	47,176	0	
1.		202.2	40,885	6,291	3.7987
2.		188.2	35,419	11,757	4.0703
3.		174.2	30,346	16,830	4.2261
4.		142.2	20,221	26,955	4.4306
5.					

(1) 4th test point 1.750

$Q = \frac{Pc^2}{Pc^2 - Pw^2}$

(2) 4th test point 1.243

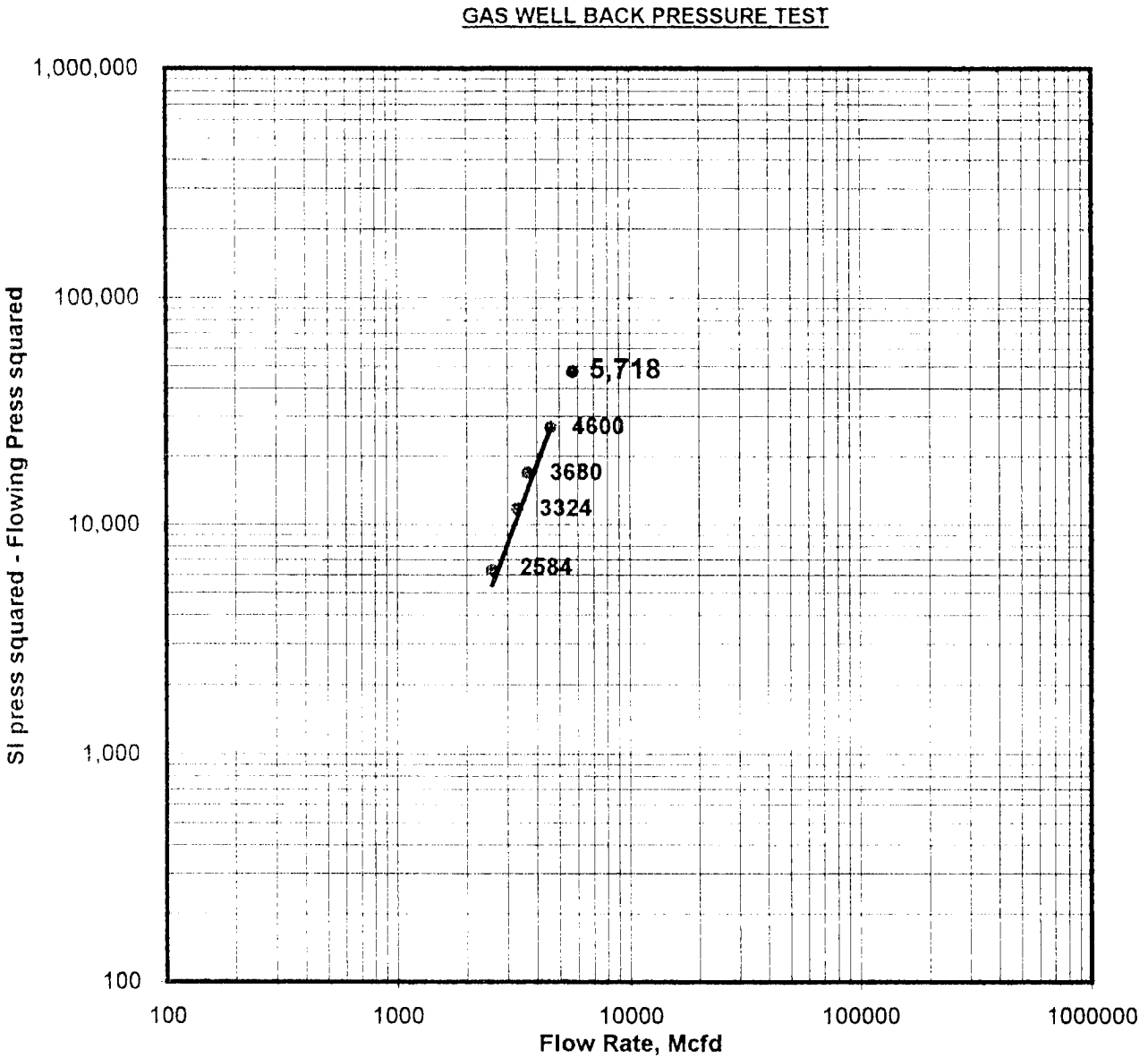
$Q = \frac{Pc^2}{|Pc^2 - Pw^2|}^{n}$

$Q = \frac{P^2}{|Pc^2 - Pw^2|}^{n}$ = 5,718 = AOF

Absolute Open Flow	5,718	Mcfd @ 15.025	Angle of Slope	68.75	SI	0.389 (Cotangent)

Remarks:

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	Bill Prichard	Automation Software	Gary Ford


GAS WELL BACK PRESSURE TEST
1,000,000
100,000
10,000
1,000
100
SI press squared - Flowing Press squared
5,718
4600
3680
3324
2584
100
1000
10000
100000
1000000
Flow Rate, Mcfd

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Bravo Dome 2134-251f