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: 6-19-85

Company: Amoco Production Company	Connection:			
Pool: Bravo Dome Carbon Dioxide Gas Unit 640-acre area	Formation: Tubb			Unit: BDCDGU
Completion Date: 3-25-81	Total Depth: 2552'	Plug Back TD: 2497'	Elevation: 4670' GL	Farm or Lease Name:
Csg. Size: 5-1/2" / Wt.: 14# / d: / Set At: 2552'	Perforations: From 2138' To 2301'			Well No.: 1935 301G
Tbg. Size: 2-3/8" / Wt.: 4.7# / d: / Set At: 1974'	Perforations: From To			Unit: G / Sec.: 30 / Twp.: 19 / Rge.: 35
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: 1944'		County: Union
Producing Thru: Tubing	Reservoir Temp. °F: 85° @ 2220'	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
2220'	2220'	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					318				
1.	4.026 x 2.125	228	32	54	240.2	50			24 hrs
2.	4.026 x 2.125	249	24	65	261.2	50			24 hrs
3.	4.026 x 2.125	272	13	65	284.2	50			24 hrs
4.	4.026 x 2.125	293	5	66	305.2	50			24 hrs
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							1771
2							1483
3							1144
4							
5							

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

P_c 330.2 P_c^2 109.0

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

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		240.2		51.336
2		261.2		40.807
3		284.2		28.262
4		305.2		15.885
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.123$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.73$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3.069$

Absolute Open Flow 3.069 Mcfd @ 15.025 Angle of Slope θ Slope, n .73

Remarks:

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