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: 4-19-83		
Company: Amoco Production Company		Connection:			
Pool: Bravo Dome Carbon Dioxide Unit - 640 acre area		Formation: Tubb		Unit: BDCDGU	
Completion Date: 12-21-83	Total Depth: 2590	Plug Back TD: 2560	Elevation: 4857	Farm or Lease Name:	
Csg. Size: 7 / Wt.: 20 / d: / Set At: 2590		Perforations: From 2232 To 2432		Well No.: 2034 301G	
Tbg. Size: 3.5 / Wt.: 9.3 / d: / Set At: 2221		Perforations: From To		Unit: G / Sec.: 30 / Twp.: 20 / Rge.: 34	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: 2189		County: Union	
Producing Thru: Tubing	Reservoir Temp. °F: 90° @ 2332	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
2332	2332	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					279				
1.	4.026 x 2.125	221	17	62	233.2	50			24 hr.
2.	4.026 x 2.125	223	18	61	235.2	50			24 hr.
3.	4.026 x 2.125	248	9	62	260.2	50			24 hr.
4.	4.026 x 2.125	273	3	60	285.2	50			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							1260
2							1216
3							947
4							587
5							

NO.	P_t	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 291.2 P_c^2 84.797

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		233.2		30.415
2		235.2		29.478
3		260.2		17.093
4		285.2		3.458
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.79$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.43$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1741$

Absolute Open Flow 1741 Mcfd @ 15.025 Angle of Slope θ Slope, n .35

Remarks:

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