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: 4-9-85	
Company: Amoco Production Company	Connection:			
Pool: Bravo Dome Carbon Dioxide Unit - 640 acre area	Formation: Tubb			Unit: BDCDGU
Completion Date: 11-21-83	Total Depth: 2618	Plug Back TD: 2615	Elevation: 4908	Farm or Lease Name:
Csg. Size: 7 / Wt.: 20 / d: / Set At: 2618	Perforations: From 2298 To 2484			Well No.: 2033 011G
Tbg. Size: 3.5 / Wt.: 9.3 / d: / Set At: 2204	Perforations: From To			Unit: G / Sec.: 01 / Twp.: 20 / Rge.: 33
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: 2165		County: Harding
Producing Thru: Tubing	Reservoir Temp. °F: 90° @ 2391	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
2391	2391	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					306				
1.	4.026 x 1.375	200	36	57	212.2	50			24 hr.
2.	4.026 x 1.375	220	23	58	232.2	50			24 hr.
3.	4.026 x 1.375	239	13	58	251.2	50			24 hr.
4.	4.026 x 1.375	257	7	57	269.2	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							663
2							560
3							443
4							349
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 308.2 P_c^2 101.251

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		212.2		56.222
2		232.2		47.334
3		251.2		38.150
4		269.2		28.783
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.80$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.76$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1166$

Absolute Open Flow 1166 Mcfd @ 15.025 Angle of Slope θ ____ Slope, n .96

Remarks:

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