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	
Company: Amoco Production Company		Connection			
Pool: Bravo Dome Carbon Dioxide Gas Unit-640 Acre Area		Formation		Unit: BDCDGU	
Completion Date: 12-15-85	Total Depth: 2492	Plug Back TD: 2445-	Elevation: 4733	Farm or Lease Name	
Csg. Size: 7 / Wt.: 20 / d: / Set At: 2492		Perforations: From 2280 To 2388		Well No.: 2035 191K	
Tbg. Size: 3-1/2 / Wt.: 9.3 / d: / Set At: 2087		Perforations: From To		Unit: K / Sec.: 19 / Twp.: 20 / Rge.: 35	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Singe		Packer Set At: 2087		County: Union	
Producing Thru: Tubing	Reservoir Temp. °F: 90 @ 2334	Mean Annual Temp. °F: 50	Baro. Press. – P_a: 12.25	State: New Mexico	
L: 2334	H: 2334	Gg: 1.529	% CO_2: 100	% N_2: 0	% H_2S: 0
Prover:	Meter Run: 4.0	Taps: 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					292				
1.	4.026 x 3.000	181.4	16	51	193.65	51			1.5
2.	4.026 x 3.000	152.7	22	51	164.95	51			1.5
3.	4.026 x 3.000	124.9	32	52	137.15	52			1.5
4.	4.026 x 3.000	98.1	46	53	110.35	53			1.5
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							2549
2.							2818
3.							3138
4.							3460
5.							

NO.	P_t	Temp. °R	T_f	Z
1				
2.				
3.				
4.				
5.				

Gas Liquid Hydrocarbon Ratio 0 Mcf/bbl.
A.P.I. Gravity of Liquid Hydrocarbons ____ Deg.
Specific Gravity Separator Gas 1.529 XXXXXXXXXX
Specific Gravity Flowing Fluid XXXXX ____
Critical Pressure 1072 P.S.I.A. ____ P.S.I.A.
Critical Temperature 496 R ____ R

P_c 304.2 P_c^2 92.538

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		194		54.902
2		164		65.642
3		137		73.769
4		110		80.438
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.15$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.11$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 3843$

Absolute Open Flow 3843 Mcfd @ 15.025 Angle of Slope θ ____ Slope, n .75

Remarks: ____

Approved by Commission:	Conducted By:	Calculated By: Don Kimble	Checked By: