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: 6-14-85	
Company: Amoco Production Company		Connection:			
Pool: Bravo Dome Carbon Dioxide Gas Unit 640-acre area		Formation: Tubb			Unit: BDCDGU
Completion Date	Total Depth: 2505'		Plug Back TD: 2392'	Elevation: 4540' G.L.	Farm or Lease Name
Csg. Size: 5-1/2" / Wt.: 14# / d: / Set At: 2498'			Perforations: From 2036 To 2064		Well No.: 1935 331F
Tbg. Size: 2-7/8" / Wt.: / d: / Set At: 1981			Perforations: From To		Unit: F / Sec.: 33 / Twp.: 19 / Rge.: 35
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single			Packer Set At: 1981'		County: Union
Producing Thru: Tubing	Reservoir Temp. °F: @	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
2050	2050	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					326				
1.	4.026 x 1.75	227	24	59	239.2				24 hrs
2.	4.026 x 1.75	247	24	59	259.2				24 hrs
3.	4.026 x 1.75	269	14	60	281.2				24 hrs
4.	4.026 x 1.75	292	6	60	304.2				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							1100
2.							986
3.							796
4.							545
5.							

NO.	P_r	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 338.2 P_c^2 114.4

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		239.2		57.163
2		259.2		47.195
3		281.2		35.306
4		304.2		21.842
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.00$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.659$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1825$

Absolute Open Flow 1825 Mcfd @ 15.025 Angle of Slope θ Slope, n .73

Remarks:

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