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: 8-12-85	
Company: Amoco Production Company		Connection:			
Pool: Bravo Dome Carbon Dioxide Gas Unit 640 Acre Area		Formation: Tubb			Unit: BDCDGU
Completion Date: 8-18-81		Total Depth: 2726	Plug Back TD: 2678	Elevation: 4844	Farm or Lease Name:
Csg. Size: 5.5 / Wt.: / d:	Set At: 2726	Perforations: From 2264 To 2442			Well No.: 1934 331G
Tbg. Size: 2-7/8 / Wt.: 6.5 / d:	Set At: 2098	Perforations: From To			Unit: G Sec.: 33 Twp.: 19 Rge.: 34
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: 2068			County: Union
Producing Thru: Tubing	Reservoir Temp. °F: 90 @ 2353	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
2353	2353	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					321				
1.	4.026 x 2.00	175	95	58	175	50			24 hr
2.	4.026 x 2.00	190	75	58	190	50			24 hr
3.	4.026 x 2.00	210	62	58	210	50			24 hr
4.	4.026 x 2.00	231	43	59	231	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							2244
2.							2132
3.							1993
4.							1754
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 333.2 P_c^2 111.022

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		187.2		75.978
2		202.2		70.137
3		222.2		61.649
4		243.2		51.876
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.46$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.28$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2871$

Absolute Open Flow 2871 Mcfd @ 15.025 Angle of Slope θ Slope, n .65

Remarks:

Approved By Commission:	Conducted By:	Calculated By:	Checked By: