NEW MEXICO OIL CONSERVATION COMMSSION

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: [XX] Initial [ ] Annual [ ] Special				Test Date: 8-6-85	
Company: Amoco Production Company		Connection:			
Pool: ~~Bravo Dome Carbon Dioxide Gas~~ Unit 640 Acre Area		Formation: Tubb		Unit: BDCDGU	
Completion Date: 11-28-83	Total Depth: 2962	Plug Back TD: 2800	Elevation: 4852	Farm or Lease Name:	
Csg. Size: 7 / Wt.: 20 / d: / Set At: 2958		Perforations: From 2540 To 2642		Well No.: 1834 041 G	
Tbg. Size: 3-1/2 / Wt.: 9.3 / d: / Set At: 2506		Perforations: From To		Unit: G / Sec.: 4 / Twp.: 18 / Rge.: 34	
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single		Packer Set At: -2467		County: Union	
Producing Thru: Tubing	Reservoir Temp. °F: 90 @ 2591	Mean Annual Temp. °F: 50	Baro. Press. – P_a:	State: New Mexico	

L	H	Gg	% CO_2	% N_2	% H_2S	Prover	Meter Run	Taps
2591	2591	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					338				
1.	4.026 x 2.75	189	54	55	189	50			24 hr.
2.	" "	204	45	56	204	"			"
3.	" "	222	35	56	222	"			"
4.	" "	244	25	57	244	"			"
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							3662
2.							3485
3.							3234
4.							2873
5.							

NO.	P_t	Temp. °R	T_t	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 350.2 P_c^2 122.640

NO	P_t^2	P_w	P_w^2	$P_c^2 - P_w^2$
1		201.2		82.159
2		216.2		75.898
3		234.2		67.790
4		256.2		57.002
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.49$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.30$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 4770$

Absolute Open Flow 4770 Mcfd @ 15.025 Angle of Slope θ Slope, n .66

Remarks:

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