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: 4-19-85

Company: Amoco Production Company	Connection:		
Pool: Bravo Dome Carbon Dioxide Unit - 640 acre area	Formation: Tubb		Unit: BDCDGU
Completion Date: 12-14-83	Total Depth: 2576	Plug Back TD: 2500	Elevation: 4826
Farm or Lease Name:			
Csg. Size: 7" / Wt.: 20 / d: / Set At: 2576	Perforations: From 2232 To 2432		Well No.: 2034 191G
Tbg. Size: 3.5 / Wt.: 9.3 / d: / Set At: 2241	Perforations: From To		Unit: G / Sec.: 19 / Twp.: 20 / Rge.: 34
Type Well – Single – Bradenhead – G.G. or G.O. Multiple: Single	Packer Set At: 2211		County: Union
Producing Thru: Tubing	Reservoir Temp. °F: 90 @ 2332	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
2332	2332	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					307				
1.	4.026 x 2.125	218	15	60	230.2	50			24 hr.
2.	4.026 x 2.125	220	15	58	232.2	50			24 hr.
3.	4.026 x 2.125	245	7	58	257.2	50			24 hr.
4.	4.026 x 2.125	269	3	56	281.2	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							
2							1127
3							1104
4							815
5							541

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 319.2 P_c^2 101.889

NO	P_t	P_w	P_w^2	$P_c^2 - P_w^2$
1		230.2		48.897
2		232.2		47.972
3		257.2		35.737
4		281.2		22.815
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.08$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 1.99$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2}\right]^n = 2247$

Absolute Open Flow: 2247 Mcfd @ 15.025 Angle of Slope θ: ____ Slope, n: .94

Remarks:

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