

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
Revised 9-1-65

Type Test: ☒ Initial ☐ Annual ☐ Special										Test Date: 5-10-85	
Company: Amoco Production Company					Connection:						
Pool: Bravo Dome Carbon Dioxide Gas Unit 640-acre area					Formation: Tubb					Unit: BDCDGU	
Completion Date: 1-26-84			Total Depth: 2687'		Plug Back TD: 2630'		Elevation: 4970 GL		Farm or Lease Name:		
Csg. Size: 7"	Wt.: 20#	d:	Set At: 2687'	Perforations: From 2380 To 2470			Well No.: 1933 041G				
Tbg. Size: 3-1/2"	Wt.: 9.3#	d:	Set At: 2350	Perforations: From To			Unit Sec. Twp. Rge.				
Type Well - Single - Bradenhead - G.G. or G.O. Multiple: Single							Packer Set At: 2320'		County: Harding		
Producing Thru: Tubing		Reservoir Temp. °F: 88°@ 2425'		Mean Annual Temp. °F: 50		Baro. Press. - P _a : 12.2		State: New Mexico			
L: 2425'	H: 2425'	Cg: 1.529	% CO ₂ : 100	% N ₂ : 0	% H ₂ S: 0	Prover:	Meter Run: 4.0"	Taps: Flange			

FLOW DATA							TUBING DATA		CASING DATA		Duration of Flow
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	
1.	4.026 x 1.500			226	5	60	238.2	50			24 hrs
2.	4.026 x 1.500			249	26	58	261.2	50			24 hrs
3.	4.026 x 1.500			268	11	57	280.2	50			24 hrs
4.	4.026 x 1.500			294	1	54	306.2	50			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.							998
2.							749
3.							522
4.							196
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature
1.					0	0	1.529	XXXXXX	1072	547
2.										
3.										
4.										
5.										

P _c : 312.2	P _w : 97.479	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.39$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.097$
NO. 1	P _w : 238.2	P _w ² : 40.730	ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2093$
2	261.2	29.243	
3	280.2	18.957	
4	306.2	3.710	
5			

Absolute Oper. Flow: 2093 Mcfd @ 15.025	Angle of Slope θ: _____	Slope, n: .85
Remarks: _____		
Approved By Commission: _____	Conducted By: _____	Calculated By: D. D. Kimble
		Checked By: _____