

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 4-29-85	
Company Amoco Production Company		Connection	
Pool Bravo Dome <u>Carbon Dioxide Gas Unit 640-Acre Area</u>		Formation Tubb	
Completion Date 3/4/81		Total Depth 2651'	Plug Back TD 2603
		Elevation 4895	Farm or Lease Name
Csg. Size 5.5	Wt. 14	Set At 2651'	Perforations: From 2256 To 2517
Thg. Size 2-7/8	Wt. 6.4	Set At 2141	Perforations: From To
Type Well - Single - Brdenhead - G.G. or G.O. Multiple Single		Packer Set At 2110'	Well No. 1934 2016
Producing Thru Tubing	Reservoir Temp. °F 90 @ 2387	Mean Annual Temp. °F 50	Baro. Press. - P _a 12.2
L 2387	H 2387	G _g 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. h _w	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.		Temp. °F
1.	4.026 x	2.500		200	33	57	307	50			
2.	4.026 x	2.500		222	23	58	212.2	50			24 hr
3.	4.026 x	2.500		248	14	59	234.2	50			24 hr
4.	4.026 x	2.500		275	5	60	260.2	50			24 hr
5.							287.2	50			24 hr

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1.							2194
2.							2024
3.							1625
4.							1033
5.							

NO.	P _t	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	P.S.I.A.	P.S.I.A.
1.					0	0	1.529	X X X X X	1072	547		
2.												
3.												
4.												
5.												

P _c 319.2	P _c ² 101.0	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.776$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.495$
NO	P _t ²	P _w	P _w ²
1		212.2	56.860
2		234.2	47.039
3		260.2	34.185
4		287.2	19.405
5			

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3300$

Absolute Open Flow	3300	Mcfd @ 15.025	Angle of Slope	70
Remarks:				
Approved By Commission:				
Conducted By:		Calculated By:		Checked By:
		D. D. Kimble		