

**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	
Company Amoco Production Company						Connection					
Pool Bravo Dome Carbon Dioxide Gas Unit-640 Acre Area						Formation					
Completion Date 1-10-86			Total Depth 2347			Plug Back TD 2281		Elevation 4587		Unit BDCDGU	
Csg. Size 7		Wt. 20		Set At 2310		Perforations: From 2094 To 2250				Well No. 1935 101F	
Thq. Size 3-1/2		Wt. 9.3		Set At 1950		Perforations: From To				Unit Sec. Twp. Rge. F 10 19 35	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single										Packer Set At 1919	
Producing Thru Tubing		Reservoir Temp. °F 90 @ 2172		Mean Annual Temp. °F 50		Baro. Press. - P _a 12.25		County Union		State New Mexico	
L 2172		H 2172		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	181.5	16.5	47	309	193.75	47			1.5
2.	4.026 x	2.500	151.5	22	48	163.75	48				1.5
3.	4.026 x	2.500	122.7	29	48	134.95	48				1.5
4.	4.026 x	2.500	94.4	40.5	47	106.65	47				1.5
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.							1310
2.							1459
3.							1628
4.							1769
5.							

NO.	P _t	Temp. °R	T _t	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		1.529	X X X X X	1072	496
2.										
3.										
4.										
5.										

P _c 321.2	P _c ² 103,169	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.12$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.11$
NO.	P _t ²	P _w	P _w ²
1.	194		65.533
2.	164		76.273
3.	135		84.944
4.	107		91.720
5.			

Absolute Open Flow 1964 Mcfd @ 15.025		Angle of Slope θ		Slope, n .89	
Remarks:					
Approved By Commission:					
Conducted By:		Calculated By: Don Kimble		Checked By:	