

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 <i>Carbon Dioxide Gas</i> Unit 640 Acre Area		Formation Tubb	
Completion Date 1-19-72		Total Depth 2528	Plug Back TD 2496
		Elevation RDB 4872'	
Csg. Size 4.5	Wt. 9.5	d	Set At 2524'
Perforations: From 2260	To 2484		
Perforations: From	To		
Well No. 1934 1611	Unit Sec. Twp. Rge. L 16 19 34		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At 2199'	County Union
Producing Thru Tubing	Reservoir Temp. °F 90 @ 2372	Mean Annual Temp. °F 50	Baro. Press. - P _a 12.2
State New Mexico			
L 2372	H 2372	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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI							310			
1.	4.026 x 2.125			193	45	53	205.2	50		
2.	4.026 x 2.125			211	36	54	223.2	50		24 hr
3.	4.026 x 2.125			232	27	56	244.4	50		24 hr
4.	4.026 x 2.125			257	17	57	269.2	50		24 hr
5.										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							1552
2							1515
3							1368
4							1178
5							

NO.	P _f	Temp. °R	T _f	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	X X X X X X X X	1072	547
2.										
3.										
4.										
5.										

P _c 322.2	P _c ² 103.8	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.682$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.238$
NO	P _i ²	P _w	P _w ²
1		205.2	61.706
2		223.2	53.995
3		244.2	44.179
4		269.2	31.344
5			

Absolute Open Flow 1921 Mcfd @ 15.025		Angle of Slope θ	Slope, n .41
Remarks:			
Approved By Commission:			
Conducted By:		Calculated By: D. D. Kimble	Checked By: