

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</u> Unit <u>640 Acre Area</u>		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 L	Sec. 16	Twp. 19	Rge. 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	Mcf/bbl.
1.					0	
2.					0	
3.					1.529	X X X X X X X X
4.					X X X X X	
5.					1072	P.S.I.A.
					547	P.S.I.A.
						R

P _c 322.2	P _c ² 103.8			
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1		205.2		61.706
2		223.2		53.995
3		244.2		44.179
4		269.2		31.344
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.682$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1921$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.238$

Absolute Open Flow	1921	Mcf/d @ 15.025	Angle of Slope °	Slope, n	.41
Remarks:					
Approved By Commission:					
Conducted By:		Calculated By:		Checked By:	
		D. D. Kimble			