

2-OCC, Aztec, N.M.

1-B

1-NCRA

1-F

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLForm C-122
Revised 2-1-65

Type Test		☒ Initial		☐ Annual		☐ Special		Date		2/13/78	
Company				Bolin Oil Company				not connected			
Pool				Otero				Chacra			
Completion Date		1/30/78		Total Depth		5230' KB		Perforation Depth		5150' KB	
Csg. Size		5 1/2"		Wt.		15.5#		Set At		5212' DF	
Tbg. Size		1 1/4"		Wt.		2.4#		Set At		3693' KB	
Perforation		From 3610'		To 3704'				Well No.		20-A	
Type Well - Single - Bradenhead - G.G. or G.C. Multiple		G.G. Multiple		Factor Set At		3809' KB		County		Rio Arriba	
Producing Thru		Tbg.		Reservoir Temp. °F		a		Moon Annual		b	
L		H		G _g		% CO ₂		% N ₂		% H ₂ S	
Prover		Meter Run		Taps							
FLOW DATA											
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	Duration of Flow
1.	2"	X	3/4"				1021#	42	1022#	331#	7 days
2.											3 hrs.
3.											
4.											
5.											
RATE OF FLOW CALCULATIONS											
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor P _t	Gravity Factor P _g	Super Compress. Factor P _{pv}	Rate of Flow Q, Mcfd				
1	12.3650		54	1.0178	1.0000	1.0000	680				
2.											
3.											
4.											
5.											
NO.	P _t	Temp. °R	T _t	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.						
1					A.P.H. Gravity of Liquid Hydrocarbons _____ Deg.						
2.					Specific Gravity Separator Gas _____ X X X X X X X X						
3.					Specific Gravity Flowing Fluid _____ X X X X X						
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.						
5.					Critical Temperature _____ R _____ R						
P _c 1033 P _c ² 1067089											
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(i) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1239$ $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0916$						
1	2916	343	117649	949440							
2											
3											
4											
5											
Absolute Open Flow 742 Mcfd @ 15,025 Angle of Slope 75 Slope n .75											
Remarks:											
Approved By Commission: _____ Conducted By: _____											
F. P. Crum, Jr.											