

✓2-0CC, Aztec, N.M.

1-B

1-NCRA

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLForm C-122
Revised 9-1-65

1-F

Type Test		☒ Initial		☐ Annual		☐ Special		Test Date		4/13/79	
Company				Connection							
Bolin Oil Company				NC							
Pool				Formation							
Blanco				Mesaverde							
Completion Date			Total Depth			Plug Back TD			Elevation		
3/29/79			5250' KB			5195' KB			6573' GL		
Cng. Size		Wt.		Set At		Perforations:		Well No.			
5 1/2"		15.50#		5235' KB		From 5042' To 5158'		22			
Tbg. Size		Wt.		Set At		Perforations:		Unit		Sec.	
1 1/2"		2.75#		5109' KB		From To		L		4	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple								Packer Set At		County	
G.G. - multiple								3830' KB		Rio Arriba	
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a		State			
Tbg.		P						New Mexico			
L		H		Gg		% CO ₂		% N ₂		% H ₂ S	
3830'										Prover	
										Meter Run	
										Taps	

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	
SI							1027#				
1.	2"	X	3/4"				57#	50			
2.											
3.											
4.											
5.											

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	12.3650		69	1.0098	1.000	1.000	862
2.							
3.							
4.							
5.							

NO.	P _r	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 P.S.I.A.	Critical Temperature R
1.							XXXXXX	XXXXX		
2.										
3.										
4.										
5.										

NO.	P _r	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1	4761	219	48044	1031477	1.0466	1.0347
2						
3						
4						
5						

Absolute Open Flow				Angle of Slope θ	
892				15.025	
Mcfd @ 15.025				3.75	

Remarks:			
Approved by Commission:		Conducted by:	
Crum		Crum	
Calculated by:		Checked by:	