

2-000, Aztec, N.M.

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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		3/29/80			
Company				Bolin Oil Company				Connection				not connected	
Pool				Otero				Formation				Chacara	
Completion Date				3/15/80				Total Depth				4705' KB	
Casing Size				5 1/2"				Set At				4703' KB	
Tubg. Size				1 1/4"				Set At				3159'	
Perforations				From 3092'				To 3187'				Well No.	
Perforations				From				To				Unit	
Type Well - Single - Bradenhead - G.C. or G.C. Multiple				G. G. Multiple				Packer Set At				3268'	
Producing Thru				Tbg.				Reservoir Temp. °F				B	
L				H				G _g				.600	
G _g				.600				% CO ₂				%	
H ₂				%				H ₂ S				%	
Prover				Meter Run				Type				7W	
County				Rio Arriba				State				New Mexico	
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	Duration of Flow		
1.	2"	X	3/4"				985#		987#		7 days		
2.							68#	36	510#		3 hrs.		
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. Factor F _{sp}	Rate of Flow Q, Mhd						
1.	12.3650		80	1.0239	1.0000	1.0000	1.013						
2.													
3.													
4.													
5.													
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio			Mcf/bbl.					
1.					A.P.I. Gravity of Liquid Hydrocarbons			Deg.					
2.					Specific Gravity Separator Gas			XXXXXX					
3.					Specific Gravity Flowing Fluid			XXXXXX					
4.					Critical Pressure			P.S.I.A.					
5.					Critical Temperature			R					
P _c 997		P _c 994,009											
NO.	P _r	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.3777$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.2716$						
1.	6400	522	272,484	721,525									
2.													
3.													
4.													
5.													
Absolute Open Flow					1,288		Mhd @ 15.025						
Angle of Slope					θ		Slope, n = .75						
Remarks:													
Approved By Commission:			Conducted By:			Calculated By:							
			F. P. Crum, Jr.			F. P. Crum, Jr.							
						Checked By:							