

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 3-14-77	
Company Mobil Oil Corporation				Connection Jicarilla Contract #94			
Pool Blanco Mesa Verde				Formation Mesa Verde			
Completion Date		Total Length 6375		Plug back To 6303		Elevation	
Csg. Size 4 1/2		Set At 6305		Performance From 5784' To 6284'		Well No. 1-A	
Tlg. Size		Set At		Performance From To		Unit Sec. Temp. P. per P 22 27N 3W	
Type Well - Single - Prodenhead - G.G. or G.O. Multiple Single						Packer Set At	
Producing Thru Tbg				Reservoir Temp. °F 50		State New Mexico	
L		H		Gq 0.68		% CO ₂ % N ₂ % H ₂ S - - -	
				Prover 0.75		Meter Run 2	
FLOW DATA				TUBING DATA		CASING DATA	
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F	Duration of Flow
51							7 Day
1.	2	x	0.75				3 Hr.
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 Fg	Super Compress. Factor Fpv	Rate of Flow Q, Mscf/d
1	12.365	-	387.2	1.0098	0.9393	1.049	4764
2.							
3.							
4.							
5.							
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mol/mol. A.P.I. Gravity of Liquid Hydrocarbon _____ Deg. Specific Gravity Separator Gas _____ Specific Gravity Flowing Fluid _____ Critical Pressure _____ P.S.I.A. Critical Temperature _____ °R		
1	0.58	510	1.32	0.908	669 385		
2.							
3.							
4.							
5.							
P _r 1092 P _r ² 1193					(1) $\frac{P_r^2}{P_c^2 - P_w^2} = 1.87$ (2) $\frac{P_r^2}{P_c^2 - P_w^2} = 1.60$		
NO.	P _r ²	P _w ²	P _w ²	P _r ² - P _w ²	(3) $\frac{L^2}{P_c^2 - P_w^2} = 7618$		
1		745	555	638			
2.							
3.							
4.							
5.							
Absolute Open Flow 7618					Angle of Slope 53.10° Slope, n 0.75		
Remarks:							
Approved By Commission		Conducted By: W.L. Riley, Jr.		Calculated By: W. L. Riley, Jr.		Checked By: M. W. Brinkmeyer	

Ticapilla "F" 1-A

