

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS

RECEIVED
SEP 28 1984

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 9-25-84		OIL CON. DIV. DIST. 3	
Company Caulkins Oil Company				Connection			
Pool Blanco Mesa Verde				Formation Mesa Verde		Unit	
Completion Date 9-18-84		Total Depth 7470'		Plug Back TD 7470'		Elevation 6563 Gr	
Csg. Size 5 1/2"		Wt. 17# 15.5# &		Set At 4.950 4.892		Perforations From 5400' To 4782'	
Tub. Size 1 1/4"		Wt. 2.3#		Set At 1.380 5382'		Perforations From 5382' To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas - Gas Multiple				Packer Set At 5489'		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a	
L		H		G _g		Prover	
				% CO ₂		% N ₂	
				% H ₂ S		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							660		1191		7 Days
1.							85		486		3 Hours
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	14.1605		97	1.000	1.000	1.000	1,374
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.					A.P.I. 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 1203	P _c ² 1,447,209				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.207$
1		498	248,004	1,199,205	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1514$
2					
3					
4					
5					

Absolute Open Flow 1,582 Mcfd @ 15.025				Angle of Slope 75		Slope, n	
Remarks							
Approved By Division		Conducted By		Calculated By		Checked By	