

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form O-1122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 12/14/78					
Company Atlantic Richfield Company				Connection None							
Pool Blanco-MV				Formation Mesa Verde		Unit					
Completion Date 12/2/78		Total Depth 6050		Plug Back TD 5925		Elevation 6579 GL					
Casing Size 4 1/2"		Wt. 20#		ID 4.052		Set At 3678-3825					
Perf. Size 2 3/8		Wt. 4.7#		ID 1.995		Set At 5719					
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas				Packer Set At None		Well No. 1					
Producing Thru Tubing		Reservoir Temp. °F 6		Mean Annual Temp. °F 12.0		Baro. Press. - P _a 12.0					
L 5719		H 5719		Gg 0.590(est)		Prover 2"					
% CO ₂		% N ₂		% H ₂ S		Meter Run Taps					
FLOW DATA				TUBING DATA		CASING DATA					
NO.	Prover 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
Sh							1123		1107		12 days
1.	2"	X 0.750		283		69	400		697		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 Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd				
1	9.453		295	0.9915	1.302	1.024	3686				
2.											
3.											
4.											
5.											
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl. A.P.I. Gravity of Liquid Hydrocarbons _____ Deg. Specific Gravity Separator Gas 0.590 (est) X X X X X X X X Specific Gravity Flowing Fluid X X X X X Critical Pressure _____ P.S.I.A. _____ P.S.I.A. Critical Temperature 354 _____ R _____ R						
1.	0.44	529	1.49	0.954							
2.											
3.											
4.											
5.											
P _r 1135 P _e ² 1288225					(1) $\frac{P_e^2}{P_r^2 - P_w^2} = 1.5038$						
NO P _r ² P _w P _w ² P _r ² - P _w ²					(2) $\left[\frac{P_e^2}{P_r^2 - P_w^2} \right]^n = 5006$						
1	169744	657	431567	856658							
2											
3											
4											
5											
Absolute Open Flow 5006 Mcfd @ 15.025					Angle of Slope 0.750						
Remarks: Well tested thru 48/64" choke Orifice plate damaged by sand.											
Approved By Commission		Conducted By C. R. Thompson		Calculated By C. R. Thompson		Checked By					