

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 11/8/77	
Company Atlantic Richfield Company				Connection None			
Pool Blanco MV				Formation Mesa Verde		Unit	
Completion Date 10/31/77		Total Depth 4705		Plug Back TD 4657		Elevation 6105 GL	
Csg. Size 5 1/2"		Wt. 15.5#		Set At 4.950		Perforations: From 4476 To 4637	
Tbg. Size 2 1/16"		Wt. 3.25#		Set At 1.751		Perforations: From To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At None	
Producing thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a 12.0	
L 4454		H 4454		G _g 0.755(est)		% CO ₂	
				% N ₂		% H ₂ S	
						Prover 2"	
						Meter Run	
						Taps	

FLOW DATA						TUBING DATA		CASING DATA		Duration of Flow	
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
SI							906		905		8 days
1.	2"		0.750"	111		56	212		480		-3 days
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		123	1.004	1.151	1.018	1368
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1.	0.18	516	1.26	0.965	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas 0.755(est) XXXXXXXXXX
3.					Specific Gravity Flowing Fluid XXXXXX
4.					Critical Pressure 667 P.S.I.A. P.S.I.A.
5.					Critical Temperature 408 R R

P _c 918	P _c ² 842724	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1675$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1232$
NO.	P _t ²	P _w	P _w ²
1	50176	348	120935
2			
3			
4			
5			

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1537$		Absolute Open Flow 1537 Mcfd @ 15.025	Angle of Slope θ 0.750
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Remarks: **Well tested through 48/64 choke**

Approved By Commission:	Conducted By: C. R. Thompson	Calculated By: C. R. Thompson	Checked By:
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