

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 10/19/77				
Company Atlantic Richfield Company				Connection None					
Pool Blanco MV Search				Formation MV				Unit	
Completion Date 10/11/77		Total Depth 5245		Plug Back TD 5195		Elevation 6728 GL		Farm or Lease Name Marron Wn Fed Com	
Csg. Size 5 1/2"	Wt. 15.5	d 4.950	Set At 5243	Perforations: From 4924 To 5146			Well No. 1		
Thq. Size 2 1/16"	Wt. 3.25	d 1.751	Set At 4903	Perforations: From To			Unit Sec. Twp. Rge. N 27 27N 8W		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Multiple					Packer Set At 4890		County San Juan		
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico	
L 4903	H 4903	Gg 0.755	% 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							987		Packer		8 days
1.	2"		0.750	110		56	273		"		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 Fg	Super. Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	9.453		122	1.004	1.151	1.018	1357
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	XXXXXXXXXX
3.					Specific Gravity Flowing Fluid XXXXX	
4.					Critical Pressure 667 P.S.I.A.	P.S.I.A.
5.					Critical Temperature 408 R	R

P _c 999	P _c ² 998001	
NO	P _t ²	P _w ²
1	81225	157176
2		
3		
4		
5		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.1869$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1371$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1543$$

Absolute Open Flow	1543	Mcf/d @ 15.025	Angle of Slope @	Slope, n 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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