

**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 12/19/77			
Company Atlantic Richfield Company				Connection None					
Pool Largo Chacra				Formation Chacra				Unit	
Completion Date 12/3/77		Total Depth 5375		Plug Back TD 5321		Elevation 6571 GL		Farm or Lease Name Marron WN Fed Com	
Csg. Size 5 1/2"	Wt. 15.5#	d 4.950	Set At 5375	Perforations: From 3822 To 3832		Well No. 6-A			
Thq. Size 1.90	Wt. 2.76#	d 1.610	Set At 3828	Perforations: From To		Unit Sec. Twp. Rge. I 24 27N 8W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Multiple						Packer Set At 5150		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico	
L 3828	H 3828	Gg 0.67(est)	% CO ₂	% N ₂	% H ₂ S	Prover 2"	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
1.	2"		0.750"	187		81	322		639		3 Hrs
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		199	0.9804	1.222	1.019	2297
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1	0.30	541	1.42	0.963	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas 0.670 (est) XXXXXXXXXX
3.					Specific Gravity Flowing Fluid XXXXX
4.					Critical Pressure 669 P.S.I.A. P.S.I.A.
5.					Critical Temperature 382 R R

P _c 974	P _c ² 948676	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.5968$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.4205$
NO.	P _t ²	P _w	P _w ²
1	111556	595	354570
2.			
3.			
4.			
5.			

Absolute Open Flow 3263 Mcfd @ 15.025		Angle of Slope @		Slope, n 0.750
Remarks: Well tested through 48/64" choke				
Approved By Commission:		Conducted By: C. R. Thompson		Calculated By: C. R. Thompson
				Checked By: