

**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 12/5/77			
Company Atlantic Richfield Company				Connection None					
Pool Blanco Mesa Verde				Formation Mesa Verde				Unit	
Completion Date 11/15/77		Total Depth 4720		Plug Back TD 4669		Elevation 6048 GL		Farm or Lease Name Graham "C" WN Fed Com	
Csg. Size 5 1/2"	Wt. 15.5#	d 4.950	Set At 4719	Perforations: From 3891 To 4643		Well No. 1-A			
Thq. Size 2 1/16"	Wt. 3.25#	d 1.751	Set At 3898	Perforations: From To		Unit Sec. Twp. Rge. 0 9 27N 8W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G. G. Multiple						Packer Set At 3875		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F #		Mean Annual Temp. °F		Baro. Press. - P _a 12.0		State New Mexico	
L 3898	H 3898	G _g .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 KIDK 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							905		Packer		20 days
1.	2"	X 0.750"		80		55	200		"		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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	9.453		92	1.005	1.151	1.014	1020
2.							
3.							
4.							
5.							

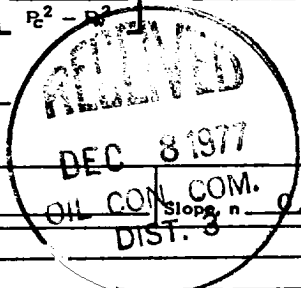
NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.			
1	0.14	515	1.26	.973	A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.			
2					Specific Gravity Separator Gas 0.755 (est) XXXXXXXXX			
3					Specific Gravity Flowing Fluid XXXXX			
4					Critical Pressure 667 P.S.I.A. P.S.I.A.			
5					Critical Temperature 408 R R			

P _c 917	P _c ² 840889		
NO	P _i ²	P _w	P _w ²
1	44944	283	79931
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1050$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1099$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0778$



Absolute Open Flow 1099 Mcfd @ 15.025		Angle of Slope @ 0.750
Remarks: Well tested thru 48/64" choke		
Approved By Commission:	Conducted By: Rex Hitchcock, Jr.	Calculated By: Rex Hitchcock, Jr.
		Checked By: