

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 5-7-84				
Company Consolidated Oil & Gas				Connection					
Pool Blanco Mesa Verde				Formation Mesa Verde				Unit	
Completion Date 4-26-84		Total Depth 4800'		Plug Back TD 4756'		Elevation 5799' GR		Farm or Lease Name Clayton	
Cas. Size 5 1/2	Wt. d	Set At 4799.72	Perforations: From 4472' To 4725		Well No. 2				
Thq. Size 1 1/2	Wt. d	Set At 4703'	Perforations: From To		1850 W.C. Twp. Rye. 1850 SL 2 30 12W				
Type Well - Single - Drdhead - G.C. or G.O. Multiple Single					Packer Set At None		County San Juan		
Producing Thru Tubing		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	Cg	% CO ₂	% N ₂	% H ₂ S	Prover	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
SI	6" x 3/4"					1009	60	1064	60	
1.	6" x 3/4"				60	225		759		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 F _L	Gravity Factor F _g	Super Compress. Factor, F _{sp}	Rate of Flow Q, Mcd
1	11.0		237	1.000	1.240	1.024	3310.3
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons	Deg.
2.					Specific Gravity Separator Gas	
3.					Specific Gravity Flowing Fluid	
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

NO.	P _c	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1	1076	771	594.4	563.4	2.0550	1.7164
2.						
3.						
4.						
5.						

Absolute Open Flow		5681.5	Mcd @ 15.025	Angle of Slope @	53.13	Slope, n	0.75
Remarks:							
Approved By Division							
Conducted By:		Teffeller, Inc.		Calculated By:		G. W. Taylor	
Checked By:							