

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 April 5, 1968	
Company D. J. Simmons				Connection			
Pool Blanco				Formation Mesa Verde		Unit E	
Completion Date March 29, 1968		Total Depth		Plug Back TD 6500'		Elevation 6016 KB	
Farm or Lease Name Simmons E		Well No. 4		Perforations: From 4212 To 5037		Unit Sec. Twp. Rye. E 24-29-9	
Csg. Size 4.50	Wt. 10.5	d 7200'	Set At	Perforations: From To		County San Juan	
Thq. Size 2.375	Wt. 4.7	d 4670	Set At	Perforations: From To		State New Mexico	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				Packer Set At		Meter Run Taps	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a	
L	H	G _g .650	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run

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.	
1.	3/4" choke						788		790	
2.							347	60° est	688	
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.	12.365		359	1.0000	.9608	1.036	4418
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 Hydrocarbon	Deg.
2.					Specific Gravity Separator Gas	XXXXXXX
3.					Specific Gravity Flowing Fluid	3
4.					Critical Pressure	P.S.I.A.
5.					Critical Temperature	R

P _c 802	P _c ² 643,204	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{643,204}{153,204}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4.1983$
NO	P _t ²	P _w	P _w ²
1		700	490,000
2			
3			
4			
5			

Absolute Open Flow 12,958 Mcfd @ 15.025		Angle of Slope θ	Slope, n .75
Remarks:			
Approved By Commission:			
Conducted By: Don Holloway		Calculated By: Teffeller, Inc.	
Checked By:			