

OIL CONSERVATION DIVISION

STATE OF NEW MEXICO
ENERGY AND MINERALS DEPARTMENTP. O. BOX 2088
SANTA FE, NEW MEXICO 87501Form C-122
Revised 10-1-78

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 4-4-81			
Company D. J. Simmons				Connection					
Pool Blanco Mesaverde				Formation Mesaverde				Unit	
Completion Date 3-22-81		Total Depth 5600		Plug Back TD 5560		Elevation 6406 KB		Farm or Lease Name Simmons "E"	
Csg. Size 7" Wt. 20# 4 1/2" liner 10.5#		Set At 3348 (3178 to 5600)		Perforations: From 4573 To 5550		Well No. 3R			
Thq. Size 2 3/8" Wt. 4.7#		Set At 5400		Perforations: From To		Unit L 24 29N 9W		Sec. Twp. Rge.	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F P		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L H		G _g 0.650		% CO ₂		% N ₂		% H ₂ S	
						Prover X		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.	
SI	7 days									
1.	2" x 0.750						553	60	582	60
2.							143	60	505	60
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		155	1.000	1.240	1.016	1,846
2.							
3.							
4.							
5.							

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

NO.	P _t ²	P _w	P _w ²	P _t ² - P _w ²	(1) $\frac{P_t^2}{P_t^2 - P_w^2} = 4.124$	(2) $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n = 2.8939$
1		517	267289	85547		
2						
3						
4						
5						

Absolute Open Flow				Angle of Slope θ		Slope, n	
5,342				15.025		0.75	

Remarks:			
Approved By Division Conducted By: Calculated By: Checked By: A.B. Geren, Jr.			