

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 3-1-81	
Company Coleman Oil & Gas, Inc.				Connection EPNG			
Pool Bisti				Formation Gallup		Unit	
Completion Date 2-23-81		Total Depth 5349		Plug Back TD 5334		Elevation 6799 GL	
Farm or Lease Name Navajo Wood		Well No. 1					
Csg. Size 4.500	Wt. 10.50	d 4.052	Set At 5349	Perforations: From 5166 To 5176		Unit Sec. Twp. Rge. A 6 24 10	
Tbg. Size 2.375	Wt. 4.7	d 1.995	Set At 5175	Perforations: From To		County San Juan	
Type Well - Single - Brodenhead - G.G. or G.O. Multiple Single				Packer Set At		State New Mexico	
Producing Thru Casing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12	
L	H	Gg 0.670	% 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									833		7 days
1.	2"		0.500	16		52					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 Ft.	Gravity Factor Fg	Super. Comp. Factor F _{sc}	Rate of Flow Q, Mcfd
1	5.653		28	1.0078	0.9608		154
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	Mcf/bbl.
1					A.P.I. Gravity of Liquid Hydrocarbons	Deq.
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

P _c 845	P _c ² 714025	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0011$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0008$
NO.	P _t	P _w	P _w ²
1		28	784
2.			
3.			
4.			
5.			

Absolute Open Flow 154 Mcfd @ 15.025		Angle of Slope θ		Slope, n 0.75
Remarks: Well logged with fluid.				
Approved By Commission:		Conducted By: H. E. McAnally		Calculated By: H. E. McAnally