

MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 2-25-81			
Company Coleman Oil & Gas, Inc.				Connection EPNG					
Pool Bisti				Formation Gallup				Unit	
Completion Date 2-18-81		Total Depth 5375		Plug Back TD 5343		Elevation 6836 GL		Farm or Lease Name Navajo Wood	
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 5375	Perforations: From 5175 To 5181		Well No. 2			
Thq. Size 2.375	Wt. 4.7	d 1.995	Set At 5175	Perforations: From To		Unit C	Sec. 9	Twp. 24	Rge. 10
Type Well - Single - Broadhead - G.G. or G.O. Multiple Single						Packer Set At		County San Juan	
Producing Thru Casing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12		State New Mexico	
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							-		831		7 days
1.	2"		0.625	16		58					
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 F _g	Rate of Flow Q, Mcfd
1	8.55		28	1.0019	0.9463	227
2.						
3.						
4.						
5.						

RECEIVED

MAR 3 1981

OIL CON. COM.

DIST. 3

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

P _c 843 P _c ² 710649			
NO.	P _t ²	P _w	P _w ²
1		28	784
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.0011}{1.0011 - 0.0007} = 1.0011$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \frac{1.0008}{1.0008 - 0.0001} = 1.0008$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 227$

Absolute Open Flow _____ Mcfd @ 15.025		Angle of Slope θ _____	Slope, n 0.75
--	--	------------------------	---------------

Remarks: The well logged with fluid and it will require pumping to produce.

Approved By Commission:	Conducted By: H. E. McAnally	Calculated By: H.E. McAnally	Checked By: <i>[Signature]</i>
-------------------------	---------------------------------	---------------------------------	-----------------------------------