

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 9-26-77				
Company COTTON PETROLEUM CORP.				Connection Waiting on pipeline					
Pool So. Blanco P.C.				Formation Pictured Cliffs				Unit	
Completion Date 9-7-77		Total Depth 3052'		Plug Back TD 3000		Elevation 6790' KB		Farm or Lease Name Apache	
Csg. Size 4.500	Wt. 10.50	d 4.052	Set At 3039'	Perforations: From 2880' To 2926'			Well No. 21		
Tbg. Size 1.660	Wt. 2.40	d 1.380	Set At 2903'	Perforations: From Open To Ended			Unit Sec. Twp. Rge. J 4 - 24N - R4W		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At None		County Rio Arriba		
Producing Thru Tubing		Reservoir Temp. °F 98 @ 3039'		Mean Annual Temp. °F -		Baro. Press. - P _a 12.0		State New Mexico	
L 2903	H 2903	G _g 0.600	% 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							925		950		8 da.
1.	3/4" THC						50		350		3 Hr.
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	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.3650		62	1.0000	1.0000	1.0000	7.67
2.							
3.							
4.							
5.							

NO.	R _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 _____ 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 _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1649$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1385$
1		362	131,044	794,400		
2						
3						
4						
5						

Absolute Open Flow 873 Mcfd @ 15.025				Angle of Slope 0.85	
Remarks:					

Approved By Commission:	Conducted By: Roger McCown	Calculated By: Ewell N. Walsh	Checked By:
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