

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 9-8-78	
Company Caulkins Oil Company				Connection			
Pool South Blanco				Formation Pictured Cliffs		Unit	
Completion Date 9-1-78		Total Depth 3976		Plug Back TD 3976		Elevation 6530 Gr.	
Csg. Size 4 1/2"		Wt. 10.5		d 4.000		Set At 3976	
Tbg. Size 1 1/4"		Wt. 2.3#		d 1.350		Set At 3820	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Commingle Single Gas				Packer Set At		Well No. 297	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a	
L		H		Gg		State New Mexico	
				% 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		7 Day					561		583		
1.							26		311		3 hrs.
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 Compress. Factor Fpv	Rate of Flow Q, Mcfd
1	14,1605		38	1.000	1.000	1.000	538
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.
5.					Critical Temperature	R

NO.	P _t ²	P _w ²	P _w ²	P _t ² - P _w ²
1				
2				
3				
4				
5				

P_c = 595 P_c² = 354,025

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

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

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.418$

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DIST. 3

Pictured Cliffs-70% of 699 = 489 MCFPD		Angle of Slope = 75		Slope, m = 1.299	
Absolute Open Flow 699 Mcfd @ 15.025					
Remarks:					

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
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