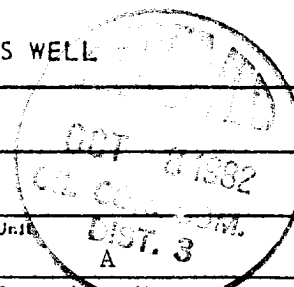


MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 10-4-82					
Company Caulkins Oil Company				Connection					
Pool Blanco Mesa Verde				Formation Mesa Verde					
Completion Date 9-27-82		Total Depth 7482		Plug Back TD 7467		Elevation 6520		Farm or Lease Name Breech C	
Csq. Size 4 1/2"	Wt. 11.6	d 4.000	Set At 7482	Perforations: From 5155 To 5402		Well No. 248 M			
Tbg. Size 1 1/4"	Wt. 2.3	d 1.380	Set At 5196	Perforations: From 5196 To		Unit Sec. Twp. Rye. A 13 26N 6W			
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Gas - Gas Multiple				Packer Set At 5628		County Rio Arrib			
Producing Thru		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	G _g	% 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							1213		1215		7 Days
1.							33		251		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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	14.1605		45	1.000	1.000	1.000	637
2.							
3.							
4.							
5.							

NO.	P _r	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			

$P_c = 1237$ $P_c^2 = 1,530,169$					$(1) \frac{P_c^2}{P_r^2 - P_w^2} = 1.047$		$(2) \left[\frac{P_c^2}{P_r^2 - P_w^2} \right]^n = 1.035$	
NO.	P _r ²	P _w	P _w ²	P _r ² - P _w ²				
1		263	69,169	1,461,000				
2								
3								
4								
5								

$AOF = Q \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 659$				
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Absolute Open Flow _____ 659 _____ Mcfd @ 15.025		Angle of Slope @ _____ 75 _____		Slope, n _____	
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Remarks: _____			
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Approved By Division	Conducted By:	Calculated By:	Checked By:
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