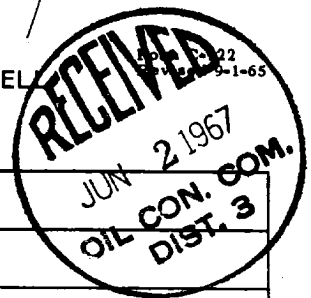


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELLS



Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 5/28/67						
Company Aztec Oil and Gas					Connection Southern Union Gas						
Pool Fulcher Kutz					Formation Pictured Cliff						
Completion Date 5/9/67			Total Depth 2065		Plug Back TD 2052		Elevation 5963 GR		Farm or Lease Name Newman "A"		
Csg. Size 3 1/2		Wt. 7.7#		Set At 2052		Perforations: From 1964 To 2018		Well No. 6			
Tbg. Size 1		Wt. 1.7		Set At 2016		Perforations: From 2016 To open end		Unit Sec. Twp. Rge. J 19 28N 10W			
Type Well - Single - Bradenhead - 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		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.	
SI	2"		3/4	7 days			247		247	
1.							140	60 (est)	97	60 (est)
2.										
3.										
4.										
5.										

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		109	1.000	.9258	1.011	1261
2.							
3.							
4.							
5.							

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 259 P _c ² 67,081			
NO.	P _t ²	P _w	P _w ²
1		152	23,104
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.5254$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.4279$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1800$

Absolute Open Flow	1800	Mcfd @ 15.025	Angle of Slope @	Slope, n .85
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Remarks: _____

Approved By Commission:	Conducted By:	Calculated By: <i>Joe C. Sullivan</i>	Checked By:
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