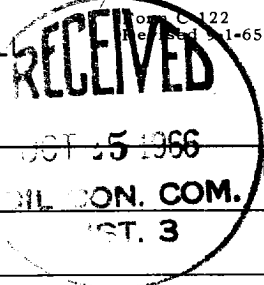


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL



Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 10/18/66	
Company Aztec Oil and Gas Company				Connection Southern Union Gathering	
Pool Blanco Mesaverde				Formation Mesaverde	
Completion Date 10/11/66		Total Depth 7390		Plug Back TD 5060	
Elevation 6141 GL		Farm or Lease Name Hubbard			
Csg. Size 3 1/2	Wt. 6.9	d 3.12	Set At 7090	Perforations: From 4935 To 5030	
Thg. Size 1 1/2	Wt. 2.75	d 1.610	Set At 5005	Perforations: From 4975 To 4985	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single - gas				Packer Set At	
Producing Thru tubing				Baro. Press. - P _a	
Reservoir Temp. °F @				Mean Annual Temp. °F	
County San Juan				State New Mexico	
L	H	Gg	% 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	2"		3/4"		7 day shut in	in	715		715		
1.							163	60 (est)	471	60 (est)	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	12.365		175	1.000	.9258	1.021	2045
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 787	P _c ² 528,529			(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.79$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.547$
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1		483	233289	295,240	
2					
3					
4					
5					

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3164$$

Absolute Open Flow 3164 Mcfd @ 15.025		Angle of Slope ϕ _____		Slope, n .75	
Remarks: _____					
Approved By Commission:		Conducted By:		Checked By:	
		Original Signed By Carl E. Jameson			