

**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 5-22-69			
Company Aztec Oil and Gas				Connection Southern Union Gathering					
Pool Blanco				Formation Mesaverde				Unit	
Completion Date 5-14-69		Total Depth 5322		Plug Back TD 5322		Elevation 6809 DF		Farm or Lease Name Childers	
Csg. Size 3 1/2	Wt. 7.7	d 3.12	Set At 5320	Perforations: From 5068 To 5168		Well No. 1			
Tbg. Size 1.99	Wt. 2.9	d 1.61	Set At 5087	Perforations: From open ended To		Unit N	Sec. 1	Twp. 31	Rge. 11
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single				Packer Set At		County San Juan			
Producing Thru		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		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				779		779		
1.							205		701		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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		217	1.000	.9258	1.025	2,546
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 791	P _c ² 625681		
NO.	P _t ²	P _w	P _w ²
1	47089		447502
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.5115$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 6531$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.5651$

Absolute Open Flow	6531	Mcf/d @ 15.025	Angle of Slope @	Slope
Remarks:				
Approved By Commission:	Conducted By:	Calculated By:	Checked By:	

RECEIVED

MAY 27 1969

OIL CON. COM.

DIST. 3