

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 9-24-76			
Company Aztec Oil & Gas				Connection Southern Union Gathering				
Pool Blanco				Formation Mesa Verde				Unit
Completion Date 9-13-76		Total Depth 5390'		Plug Back TD 5390'		Elevation 6050' GR		Farm or Lease Name Childers
Csg. Size 000 4.500	Wt. 23# 10.50#	d	Set At 3110' 2965-5390	Perforations: From 5353' To 4994'		Well No. #1-A		
Tbg. Size 2.0625	Wt. 3.40#	d	Set At 5332'	Perforations: From 4917' To 4399'		Unit Sec. Twp. Rge. P 1 - 31N - 11W		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At		County San Juan	
Producing Thru tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12.2		State New Mexico
L	H	G _g	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run	Taps
		.680						

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							741		737	
1.	2" x 3/4"						81		730	
2.							80		731	
3.							80		730	3 hrs.
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		92.2	1.000	.9393	1.000	1071
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 _____ 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

NO.	P _c	P _c ²	P _w	P _w ²	P _c ² - P _w ²
1	753.2	567310	742.2	550861	16449
2					
3					
4					
5					

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 34.4890$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 15,242$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 14.2318$$

Absolute Open Flow	15,242	Mcfd @ 15.025	Angle of Slope @	.75
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Remarks: _____

Approved By Commission:	Conducted By: <i>R.J. Wendelbeck</i>	Calculated By: <i>James Smith</i>	Checked By: <i>[Signature]</i>
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