

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 6-20-77	
Company Aztec Oil & Gas Company				Connection Southern Union Gathering	
Pool Blanco				Formation Mesa Verde	
Completion Date 6-9-77		Total Depth 5282		Elevation 6095' GR	
Casing Size 7.000		Set At 2879		Perforations: From 4739' To 5147'	
Tubg. Size 2.375		Set At 5135		Perforations: From To	
Form or Lease Name Culpepper Martin				Well No. #7-A	
Unit Sec. Twp. Rge. I-Sec 28-T32N-R12W				County San Juan	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single				State New Mexico	
Producing Thru Tbg		Reservoir Temp. °F @		Mean Annual Temp. °F 12.2	
L H		Gg .700		% 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
1.	2"	X	3/4"				826		819		1 hr
2.							324		751		2 hrs
3.							323		730		3 hrs
4.							318		713		
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		330.2	1.0000	.9258	1.0000	3,780
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio Mcf/bbl.	A.P.I. Gravity of Liquid Hydrocarbons Deg.	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure P.S.I.A.	Critical Temperature R
1.							XXXXXX	XXXXXX		
2.										
3.										
4.										
5.										

P _c 838.2 P _c ² 702,579		(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 3.9769$		(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.8162$	
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1.		725.2	525,915	176,664	
2.					
3.					
4.					
5.					

Absolute Open Flow 10,645 Mcfd @ 15.075		Angle of Slope @		Slope, n .75	
Remarks:					

Approved By Commission:	Conducted By: Leroy Castleman	Calculated By: James Smith	Checked By:
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