

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 10-2-76	
Company Aztec Oil & Gas Company				Connection Southern Union Gathering		
Pool Blanco				Formation Mesa Verde		Unit 1
Completion Date 9-23-76		Total Depth 5350'		Plug Back TD 5315'		Elevation 5997' GR
Csg. Size 4.500 10.50#		Set At 3010 2856-5349		Perforations: From 4951 To 5233		Well No. #1-A
Tbg. Size 1-1/2" 2.9#		Set At 5220'		Perforations: From 4298 To 4791		Unit Sec. Twp. Rge. P 19 31N 10W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At	
Producing Thru tubing		Reservoir Temp. °F		Mean Annual Temp. °F		Baro. Press. - P _a 12.2
L		H		Gg		Prover
				.670		
FLOW DATA				TUBING DATA		CASING DATA
NO.	Prover Line Size	X	Orifice Size	Press. p.s.i.g.	Diff. h _w	Temp. °F
SI						
1.	2	X	3/4			
2.						
3.						
4.						
5.						
NO.	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	Temp. °F
	183		148		813	
	159		148		772	
	150		159		766	
			150		759	
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
1	12.365		162.2	1.000	.9463	1.000
2.						
3.						
4.						
5.						
NO.	P _r	Temp. °R	T _r	Z	Rate of Flow Q, Mcfd	
1					1898	
2.						
3.						
4.						
5.						
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					DIST. 3 OCT 8 1976 OIL CON. COM.	
P _c 825.2 P _c ² 680955 P _w 771.2 P _w ² 594749 P _c ² - P _w ² 86206					(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 7.8991$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4.7118$	
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 8,943$						
Absolute Open Flow 8,943 Mcfd @ 15.025					Angle of Slope 0	
					Slope, n .75	
Remarks:						
Approved By Commission: _____ Conducted By: <i>K.J. Shindler</i> Calculated By: <i>James Smith</i> Checked By: <i>San Juan</i>						