

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 6-1-77					
Company Aztec Oil & Gas Company						Connection Gas Company of New Mexico					
Pool Blanco						Formation Mesa Verde					
Completion Date 5-24-77			Total Depth 6160'		Plug Back TD 5843'		Elevation 6977' GR		Farm or Lease Name Arizona Jicarilla B		
Cor. Size 7.000 4.500		Wt. 23# 10.50#		d 6.366 4.052		Set At 3864 3692-6159		Perforations: 5297' To 5836'		Well No. #5-A	
Tbg. Size 2.375		Wt. 4.7#		d 1.995		Set At 5575		Perforations: From To		Unit Sec. Twp. Rye E 10, T26N, R5W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At 5575'		County Rio Arriba			
Producing Thru Tbg.			Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a 12.2		State New Mexico		
L		H		Gg .700		% CO ₂		% N ₂		% H ₂ S	
Prover		Meter Run		Taps							

FLCW 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							1329				
1.	2"	X	3/4"				119				1 hr
2.							97				2 hrs
3.							86				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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12.365		98.2	1.0000	.9258	1.0000	1124
2							
3							
4							
5							

NO.	P _t	Temp. °R	T _t	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 1341.2 P _c ² 179,882				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1		98.2	9,643	170,239
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.0566}{1.0422}$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1,171$

(2) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0422$

Absolute Open Flow	1,171	Mcf @ 15.025	Angle of Slope @	Slope, n	.75
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Remarks:

Approved By Commission:	Conducted By: Bobby Joe Warren	Calculated By: James Smith	Cleared By: <i>Central</i>
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