

NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

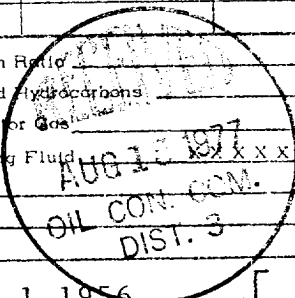
Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 7-27-77	
Company Aztec Oil & Gas Company				Connection Southern Union Gathering			
Pool Blanco				Formation Mesaverde		Unit	
Completion Date 7-6-77		Total Depth 5744'		Plug Back TD 5740'		Elevation 6333' GR	
Farm or Lease Name Primo Mudge		Well No. #1A					
Csg. Size 7.000	Wt. 20#	d 6.456	Set At 3400	Perforations: From 4644 To 5289		Unit Sec. Twp. Rge. N 24-32N-11W	
Tbg. Size 4.500	Wt. 10.50#	d 4.052	Set At 3235-5741	Perforations: From 5374 To 5670			
2.375	4.7#	1.995	5670				
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G.				Packer Set At 3235'		County San Juan	
Producing Thru Tbg.		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a 12.2	
State New Mexico							
L	H	Gg	% CO ₂	% N ₂	% H ₂ S	Prover	Meter Run
		.700					

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							881			
1.	2"	X	3/4"				361			1 hr
2.							347			2 hrs
3.							335			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		347.2	1.0000	.9258	1.0000	3975
2.							
3.							
4.							
5.							

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



NO.	P _r ²	P _w	P _w ²	P _r ² - P _w ²	(1) $\frac{P_r^2}{P_r^2 - P_w^2} = 1.1956$	(2) $\left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 1.1434$
1		347.2	120,548	667,258		
2						
3						
4						
5						

$AOF = Q \left[\frac{P_r^2}{P_r^2 - P_w^2} \right]^n = 4,545$

Absolute Open Flow	4,545	Mcfd @ 15.025	Angle of Slope °	Slope, n .75
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Remarks:			
Approved By Commission:	Conducted By: Bob Shindledecker	Calculated By: James Smith	Checked By: