

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 10-22-76				
Company Aztec Oil & Gas Company				Connection El Paso Natural Gas Company					
Pool Blanco				Formation Mesa Verde				Unit	
Completion Date 10-12-76		Total Depth 5565'		Plug Back TD 5558'		Elevation 6249'		Farm or Lease Name Hill	
Csg. Size 4.500	Wt. 23#	d 6.366	Set At 3230	Perforations: From 4597 To 4950		Well No. #3-A			
Tbg. Size 2-3/8"	Wt. 4.7#	d 1.995	Set At 5407	Perforations: From 5114 To 5413		Unit P		Sec. 10	Twp. 29N
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At		County San Juan		
Producing Thru tbg		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	

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				240		708		
2.							245		693		
3.							243		683		
4.							243		676		
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		255.2	1.0000	.9258	1.0000	2921
2.							
3.							
4.							
5.							

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

P _c 720.2 P _c ² 518688		(1) $\frac{P_c^2}{P_c^2 - R_w^2} = 11.5088$		(2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 6.2485$	
NO.	P _w	P _w ²	P _c ² - P _w ²		
1	688.2	473619	45069		
2					
3					
4					
5					

$AOF = Q \left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 18,252$

Absolute Open Flow	18,252	Mcf/d @ 15.025	Angle of Slope θ	Slope, n .75
Remarks:				

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
	<i>[Signature]</i>	<i>[Signature]</i>	<i>[Signature]</i>