

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 6-10-77						
Company Aztec Oil & Gas Company					Connection Southern Union Gathering						
Pool Blanco					Formation Mesa Verde						
Completion Date 5-28-77			Total Depth 5354'		Plug Back TD 5200'		Elevation 6218' GR		Farm or Lease Name Decker		
Orig. Size 4.500		Wt. 20#		d 6.456		Set At 2973		Perforations: From 4860 To 5193		Well No. 3-A	
Tbg. Size 2.375		Wt. 4.7#		d 1.995		Set At 5168		Perforations: From To		Unit Sec. Twp. Rge. E 23-T32N-R12W	
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		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	
SI							895		877		
1.	2"	X	3/4"				387		825		1 hr
2.							365		807		2 hrs
3.							356		795		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		368.2	1.0000	.9258	1.0000	4215
2.							
3.							
4.							
5.							

NO.	P _t	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 _____ 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

$P_c = 907.2$ $P_c^2 = 823,012$				
NO.	P _t ²	P _w	P _w ²	$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 4.8006$ $(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3.2432$
1		807.2	651,572	171,440
2				
3				
4				
5				

Absolute Open Flow 13,670 Mcfd @ 15.025		Angle of Slope θ _____	Slope, n .75
Remarks: _____			
Approved By Commission: _____ Conducted By: Cliff Pistole Calculated By: James Smith Checked By:			