

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 8-4-77			
Company Aztec Oil & Gas Company				Connection Southern Union Gathering					
Pool Blanco				Formation Pictured Cliffs				Unit	
Completion Date 7-12-77		Total Depth 2658'		Plug Back TD 2635'		Elevation 6112' GR		Farm or Lease Name Decker "A"	
Csg. Size 2.875"	Wt. 6.5#	d 2.441	Set At 2643'	Perforations: From 2522' To 2618'		Well No. #4			
Tbg. Size --	Wt. --	d --	Set At --	Perforations: From --- To ---		Unit Sec. Twp. Rge. E 3-T31N-R12W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At -----		County San Juan	
Producing Thru Csg.		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	
51									846		
1.	2"	X	3/4"						74		1 hr
2.									64		2 hrs
3.									59		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		71.2	1.0000	.9258	1.0000	815
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 _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 858.2 P _c ² 736,507			
NO.	P _t ²	P _w	P _w ²
1		71.2	5069
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0069$		(2) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0059$	
AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 820$			

Absolute Open Flow 820 Mcfd @ 15.025		Angle of Slope 0.85	
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Remarks:			

Approved By Commission:	Conducted By: Cliff Pistole	Calculated By: James Smith	Checked By:
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