

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 12-4-75	
Company Aztec Oil & Gas Company				Connection Southern Union Gathering			
Pool Blanco				Formation Mesaverde		Unit	
Completion Date 11-24-75		Total Depth 5200'		Plug Back TD 5198'		Elevation 6200' GR	
Casing Size 4 1/2"		Wt. 23#		Set At 4698		Perforations: From 5064 To 5190	
Tubg. Size 1 1/2"		Wt. 2.90#		Set At 5092		Perforations: From ---- To ----	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At ----	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a	
L		H		G _g		State New Mexico	
				% CO ₂		Prover	
				% N ₂		Meter Run	
				% H ₂ S		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.	
SI	2"		3/4"				744		748	
1.							166		653	
2.										
3.										
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		166	1.0000	.9258	1.0000	1,900
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 748	P _c ² 559,504	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 4.2037$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4.9357$
NO.	P _t ²	P _w	P _w ²
1		653	426,409
2			
3			
4			
5			

Absolute Open Flow <u>9,378</u> Mcfd @ 15.025		Angle of Slope ϕ _____
Remarks: _____		

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

