

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 11-28-68	
Company Aztec Oil and Gas		Connection Southern Union Gathering	
Pool Blanco		Formation Mesaverde	
Completion Date 11-14-68		Total Depth 7682	Elevation 6472 DF
Csg. Size 4-1/2	Wt. 10.5	Set At 7665	Perforations: From 5287 To 5422
Tbg. Size 2-3/8	Wt. 4.7	Set At 7430	Perforations: From open ended To
Type Well - Single - Bradenhead - G.G. or G.O. Multiple GG Dual		Packer Set At 7430	Unit Moore
Producing Thru casing	Reservoir Temp. °F @	Mean Annual Temp. °F @	Baro. Press. - P _g 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	3/4					1998		755		3 hr
2.							2010		384		
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super. Factor, F _{sp}	Rate of Flow Q, Mcfd
1.	12.305		396	1.000	.9258	1.043	4728
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio	A.P.I. Gravity of Liquid Hydrocarbons	Specific Gravity Separator Gas	Specific Gravity Flowing Fluid	Critical Pressure	Critical Temperature	Mcft/bbl.	Deq.
1.												
2.												
3.												
4.												
5.												

NO.	P _t	P _w	P _t ²	P _w ²	P _t ² - P _w ²	(1) $\frac{P_t^2}{P_t^2 - P_w^2} = 1.6674$	(2) $\left[\frac{P_t^2}{P_t^2 - P_w^2} \right]^n = 1.4672$
1.	156016	485	235461	352225			
2.							
3.							
4.							
5.							

Absolute Open Flow		6937	Mcfd @ 15.025	Angle of Slope @	Slope, n
Remarks:					
Approved By Commission:		Conducted By:		Checked By:	