

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 6-9-73			
Company Aztec Oil & Gas Company				Connection Southern Union Gathering					
Pool Blanco				Formation Mesaverde				Unit	
Completion Date 5-30-73		Total Depth 5200'		Plug Back TD 5160'		Elevation 6203 GR		Farm or Lease Name Richardson	
Csg. Size 4 1/2"	Wt. 10.50#	d	Set At 5199'	Perforations: From 5000' To 5144'		Well No. #12			
Tub. Size 1 1/2"	Wt. 2.9#	d	Set At 5070'	Perforations: From ---- To ----		Unit Sec. Twp. Rge. G 15 31N 12W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At ----		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F 8		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	G _q	% 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							841		841		7
1.	2"		3/4"				89		647		3 Hours
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		89	1.0000	.9258	1.0000	1018
2.							
3.							
4.							
5.							

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

P _c 853	P _c ² 727,609	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1086$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0804$
NO.	P _t ²	P _w	P _w ²
1		267	71,289
2			
3			
4			
5			

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1,099$	
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Absolute Open Flow <u>1,099</u> Mcfd @ 15.025	Angle of Slope ϕ _____	Slope, n _____
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Remarks: _____

Approved By Commission:	Conducted By:	Calculated By: <i>Joe C. Sumner</i>	Checked By:
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