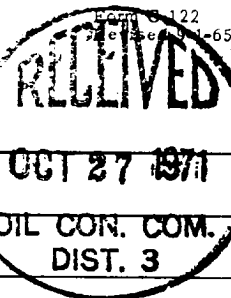


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL



Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 10-22-71	
Company Aztec Oil & Gas Company			Connection Southern Union Gathering		
Pool Blanco			Formation Mesaverde		Unit
Completion Date 10-15-71		Total Depth 6652'	Plug Back TD 6610'	Elevation 5792 GR	Farm or Lease Name Reid
Casing Size 4 1/2"	Wt. 10.5#	Set At 6650'	Perforations: From 4338 To 4415		Well No. #19
Tub. Size 2-3/8"	Wt. 4.7#	Set At 6353'	Perforations: From ---- To ----		Unit Sec. Twp. Rge. B 18 28N 9W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Multiple				Packer Set At 6353'	County San Juan
Producing Thru Casing		Reservoir Temp. *F	Mean Annual Temp. *F	Baro. Press. - P _a	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"						880		3 Hrs.
2.									68		
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, Mscf
1.	12.365		80	1.0000	.9258	1.0000	926
2.							
3.							
4.							
5.							

NO.	P _r	Temp. *R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/cbl.
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 _r 892	P _c ² 795,664				
NO.	P _w	R _w ²	P _c ² - R _w ²	(1) $\frac{P_c^2}{P_c^2 - R_w^2} = 1.0096$	(2) $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 1.0071$
1.	87	7,569	788,095		
2.					
3.					
4.					
5.					

ACF = Q $\left[\frac{P_c^2}{P_c^2 - R_w^2} \right]^n = 923$

Actual Rate of Flow	923	Mcf/d @ 15.025	Angle of Slope θ	Slope, n
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Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
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