

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

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 8-24-72	
Company Aztec Oil & Gas Company				Connection Southern Union Gathering	
Pool Basin				Formation Dakota	
Completion Date 7-23-72		Total Depth 7250		Plug Back TD ---	
Elevation 6128 GR		Farm or Lease Name Nye			
Csg. Size 4.500	Wt. 10.5#	d 	Set At 7250	Perforations: From 7050 To 7184	
Tbg. Size 1.500	Wt. 2.9#	d 	Set At 7079	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		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	
SI	2"		3/4				2016		2016		30 days
1.							328		1350		3 Hr
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		340	1.000	.9258	1.000	3892
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 2028 P _c ² 4,112,784			
NO.	P _t ²	P _w	P _w ² P _c ² - P _w ²
1		1,362	1,855,044 2,257,740
2			
3			
4			
5			

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.8216$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.5679$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 6102$

Absolute Open Flow 6102 Mcfd @ 15.025		Angle of Slope @ _____		Slope, n _____	
Remarks: _____					
Approved By Commission:		Conducted By:		Calculated By: <i>[Signature]</i>	
				Checked By:	