

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 9-4-75	
Company Aztec Oil & Gas Company			Connection Southern Union Gathering		
Pool Blanco			Formation Mesaverde		Unit
Completion Date 8-26-75		Test Depth 5020'	Plug Back TD 5000'	Elevation 6004 GR	Farm or Lease Name East
Well Size 7" / 4 1/2"	Wt. 23# / 10.50#	Set At 4520 / 4426-5020	Perforations: From 4782' To 4876'		Well No. #22
Thq. Size 1 1/2"	Wt. 2.9#	Set At 4820	Perforations: From ---- To ----		Unit Sec. Twp. Rge. H 26 31N 12W
Type Well - Single - Bradenhead - G.O. or G.O. Multiple Single				Packer Set At ----	County San Juan
Producing Thru Tubing		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	
SI	2"		3/4"				934		934		
1.							200		702		3 Hours
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w F_m}$	Pressure P _m	Flow Temp. Factor Ft.	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12,365		200	1.0000	.9258	1.0000	2,288
2							
3							
4							
5							

NO.	P _t	Temp. °R	Z	Gas Liquid Hydrocarbon Ratio _____ Mcf/bbl.
1				A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2				Specific Gravity Separator Gas _____ XXXXXX
3				Specific Gravity Flowing Fluid _____ XXXXX
4				Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5				Critical Temperature _____ R _____ R

P _c 934	P _c ² 872,356	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.2983$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.0285$
NO.	P _w	P _w ²	P _c ² - P _w ²
1	702	492,804	379,552
2			
3			
4			
5			

ACF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4,641$

Absolute Open Flow 4,641 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n _____

Remarks: _____

Approved By Commission: _____ Conducted By: _____ Calculated By: *[Signature]* Checked By: _____