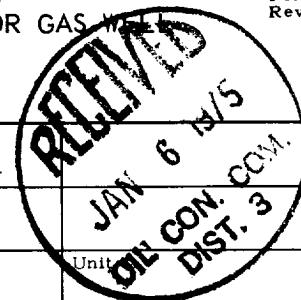


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS

Form C-122
Revised 9-1-65



Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 12-26-74						
Company Aztec Oil & Gas Company				Connection Southern Union Gas Company							
Pool Tapacitos				Formation Pictured Cliffs							
Completion Date 12-15-74			Total Depth 4050'		Plug Back TD 4030'		Elevation 7103 GR		Farm or Lease Name Jicarilla		
Csg. Size 4 1/2"	Wt. 10.50#	d	Set At 4050'	Perforations: From 3904' To 3928'				Well No. 101 #4			
Tbg. Size 1 1/4"	Wt. 2.40#	d	Set At 3890'	Perforations: From ---- To ----				Unit D	Sec. 1	Twp. 26N	Rge. 4W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single					Packer Set At ----			County Rio Arriba			
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.	
SI							949		951	
1.	2"		3/4"				107		606	3 Hrs.
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		119	1.0000	.9258	1.0000	1,362
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 951	P _c ² 904,401		
NO.	P _t ²	P _w	P _w ²
1		121	14,641
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0164$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0148$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1,382$$

Absolute Open Flow	1,382	Mcfd @ 15.025	Angle of Slope $\ominus$	Slope, n
Remarks:				
Approved By Commission:	Conducted By:	Calculated By:	Checked By:	