

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	
Company Aztec Oil & Gas Company		Connection Southern Union Gathering	
Pool Blanco		Formation Mesa Verde	
Completion Date 4-30-77		Total Depth 5707'	Plug Back TD 5698'
Elevation 6453' GR		Farm or Lease Name Day State	
Perforations: From 4695 To 5679	Well No. #1-A		
Perforations: From To	Unit A	Sec. 32	Twp. 32N
	Rge. 11W		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Multiple		Packer Set At 3241	County San Juan
Producing Thru Tubing	Reservoir Temp. °F @	Mean Annual Temp. °F 12.2	State New Mexico
L .700	H	Gg .700	% 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.	
1.							738			
2.	2" X 3/4"						260			
3.							255			
4.							234			
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		246.2	1.0000	.9258	1.0000	2818
2.							
3.							
4.							
5.							

NO.	P _r	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

NO.	P _r ²	P _w ²	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2 - P_w^2}{P_c^2 - P_w^2} \right]^n =$
1.		246.2	60614	502,186	1.1207	1.0892
2.						
3.						
4.						
5.						

AOFP = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 3,069$

Absolute Open Flow _____ Mcfd @ 15.025	Angle of Slope @ _____	Slope, n .75
--	------------------------	---------------------

Remarks: _____

Approved By Commission:	Conducted By:	Calculated By: James Smith	Checked By:
-------------------------	---------------	--------------------------------------	-------------