

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 9-11-75			
Company Aztec Oil & Gas Company				Connection Southern Union Gathering					
Pool Blanco				Formation Mesaverde				Unit	
Completion Date 9-2-75		Total Depth 5375'		Plug Back TD 5375'		Elevation 6170 GR		Farm or Lease Name Harrison	
Csg. Size 7"	Wt. 23#	Set At 3131'	Perforations: From 4800' To 4877'		Well No. #1A				
4-1/2"	10.50#	2991-5375'							
Tbg. Size 1 1/2"	Wt. 2.90#	Set At 5238'	Perforations: From 5265' To 5361'		Unit Sec. Twp. Rge. D 31 32N 10W				
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At		County San Juan	
Producing Thru Tubing		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		State New Mexico	
L	H	Gg	% 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	2"		3/4"				684		684	
1.							167		625	
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	12,365		167	1.0000	.9258	1.0000	1,912
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 684	P _c ² 467,856		
NO.	P _t ²	P _w	P _w ²
1		625	390,625
2			
3			
4			
5			

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 6.0578$$

$$ACF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 13.118$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 6.8612$$

Absolute Open Flow 13,118 Mcfd @ 15.025		Angle of Slope θ _____
Remarks: _____		
Approved By Commission:	Conducted By:	Calculated By: <i>Joe A. Sullivan</i>
		Checked By:

SEP 17 1975

OIL CON. COM.

DIST. 3