

**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 10-25-72				
Company Aztec Oil & Gas Company				Connection Southern Union Gas Company					
Pool Blanco				Formation Mesaverde <i>Ext.</i>				Unit	
Completion Date 10-9-72			Total Depth 5914		Plug Back TD 5870		Elevation 6915 GR		Farm or Lease Name Ariz. Jicarilla
Csg. Size 4-1/2 7-5/8	Wt. 10.50 26.40	d	Set At 5906 3690	Perforations: From 5516-30 To 5250-74			Well No. B #5		
Tbg. Size 1-1/2	Wt. 2.90	d	Set At 5740	Perforations: From To			Unit K	Sec. 10	Twp. 26N
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.	Temp. °F	
SI							1000		1008		7 days
1.	2"		3/4"				95		610		3 hours
2.											
3.											
4.											
5.											

RATE OF FLOW CALCULATIONS							
NO.	Coefficient (24 Hour)	$\sqrt{h_w P_m}$	Pressure P _m	Flow Temp. Factor F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		107	1.0000	.9258	1.0000	1225
2.							
3.							
4.							
5.							

NO.	P _r	T _{emp.} °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 1012	P _r 1,024.144	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.6071$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.4273$
NO.	P _r ²	P _w	P _w ²
1		622	386,884
2			
3			
4			
5			

Absolute Open Flow 1748 Mcfd @ 15.025		Angle of Slope @ _____ Slope, MM 75
Remarks: _____		

Approved By Commission:	Conducted By:	Calculated By: <i>Joe B. Nelson</i>	Checked By:
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