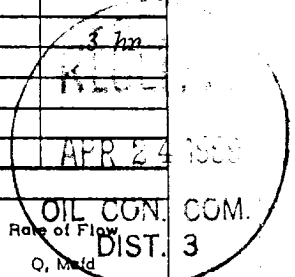


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 4-15-69	
Company Aztec Oil and Gas			Connection Southern Union Gas		
Pool Aztec <i>Antelope Valley</i>			Formation Pictured Cliffs		Unit
Completion Date 4-5-69		Total Depth 1945	Plug Back TD 1945	Elevation 5892 DF	Farm or Lease Name Newman "B"
Csg. Size 3 1/2	Wt. 7.7	d 3.068	Set At 1936	Perforations: From 1865 To 1903	Well No. 5
Tbg. Size 1"	Wt. 1.7	d 1.049	Set At 1869	Perforations: From open ended To	Unit Sec. Twp. Rge. C 30 28 10
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single				Packer Set At	County San Juan
Producing Thru casing		Reservoir Temp. °F @	Mean Annual Temp. °F	Baro. Press. - P _a	State New Mexico
L	H	G _a	% 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
Sl	2		3/4				227		227		
1.									223		
2.							178				
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, Mscfd
1	12.365		135	1.000	.9258	1.014	1567
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio _____ Mscf/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 233	P _c ² 54289	
NO.	P _i ²	P _w
1	18,225	156
2		
3		
4		
5		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.8184$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.6624$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2605$$

Absolute Open Flow	2605	Mscfd @ 15.025	Angle of Slope θ	Slope, n
Remarks:				

Approved By Commission:	Conducted By:	Calculated By: <i>Joe O. Anderson</i>	Checked By:
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