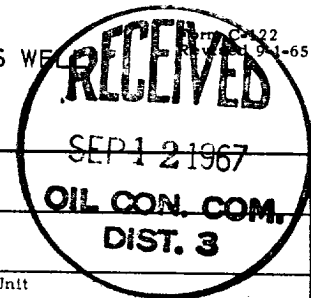


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL



Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 9/4/67	
Company Aztec Oil and Gas			Connection Southern Union Gathering		
Pool Basin			Formation Dakota		Unit
Completion Date 8/26/67		Total Depth 7815	Plug Back TD 7800	Elevation 6603GL	Farm or Lease Name Decker
Csg. Size 4 1/2"	Wt. 11.6 & 10.5	Set At 7815	Perforations: From 7629 To 7744		Well No. 2
Thg. Size 2-3/8	Wt. 4.7#	Set At 7550	Perforations: From open ended To		Unit Sec. Twp. Rge. A 26 32N 12W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple G.G. Dual			Packer Set At 7550		County San Juan
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	2"		3/4"				1737		620		
1.							159	60(est)	623	60(est)	3 hr
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		171	1.000	.9258	1.020	1,996
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	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 1749	P _c ² 3,059,001				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1	29,241	611	373,565	2,685,436	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1391$
2					(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1025$
3					
4					
5					

Absolute Open Flow	2,201	Mcfd @ 15.025	Angle of Slope @	Slope, n .75
--------------------	-------	---------------	------------------	--------------

Remarks:			
Approved By Commission:	Conducted By:	Calculated By: <i>John C. Salmon</i>	Checked By: