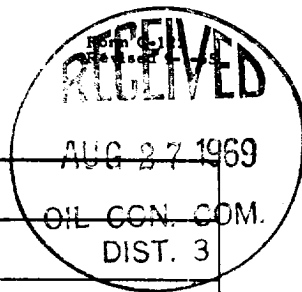


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL

Retest



Type Test ☐ Initial ☐ Annual ☐ Special		Test Date 7-29-69	
Company Aztec Oil & Gas Company		Connection Southern Union Gathering	
Pool		Formation Pictured Cliffs	
Completion Date 7-22-69		Total Depth 2775	Plug Back TD 2775
Elevation 5972 Gr		Farm or Lease Name Crandell	
Csg. Size 4 1/2	Wt. 9.5	d 4090	Set At 2779
Perforations: From 2680 To 2704		Well No. #4	
Tbg. Size 1.315	Wt. 1.7	d 1049	Set At 2669
Perforations: From 2667 To		Unit A	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At	Country San Juan
Producing Thru	Reservoir Temp. °F a	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.	Temp. °F	
SI							889		889		
1.	2 x 3/4						87		78		
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		90	1.000	.9258	1.011	1.041
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 901	P _c ² 811,801				(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0200$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0085$
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²		
1	8100		9801	80,200		
2						
3						
4						
5						

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.008$

Absolute Open Flow 1.008 Mcfd @ 15.025		Angle of Slope θ _____		Slope, n _____	
Remarks: _____					
Approved By Commission:		Conducted By:		Calculated By:	
				Checked By:	