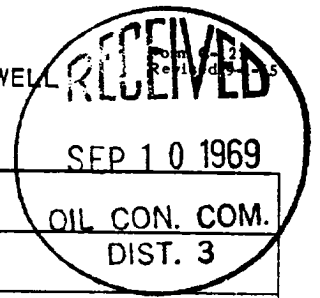


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL



Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 9-8-69		RECEIVED SEP 10 1969 OIL CON. COM. DIST. 3			
Company Aztec Oil & Gas Company				Connection El Paso Natural Gas							
Pool Basin				Formation Dakota							
Completion Date 9-1-69		Total Depth 6601		Plug Back TD 6560		Elevation 6433 Gr		Farm or Lease Name South Kutz			
Csg. Size 4 1/2	Wt. 9.5	d	Set At 6598	Perforations: From 6394 To 6516		Well No. #1					
Tub. Size 2 3/8	Wt. 4.7	d	Se: At 6475	Perforations: From Opened To		Unit B		Sec. 11	Twp. 26	Rge. 11	
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single						Packer Set At		County San Juan			
Producing Thru		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.	Temp. °F	
1.											
2.	2		3/4				1653		1653		
3.							33		267		
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		.45	1,000	.9258	1,000	512
2							
3							
4							
5							

NO.	P _i	Temp. °R	T _i	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 1665 P _c ² 2664060				
NO.	P _i ²	P _w	P _w ²	P _c ² - P _w ²
1		279	77841	2586219
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.0310$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0075$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 515$

Absolute Open Flow	515	Mcf/d @ 15.025	Angle of Slope @ _____	Slope, n _____
Remarks: _____				
Approved By Commission:	Conducted By:	Calculated By:	Checked By:	