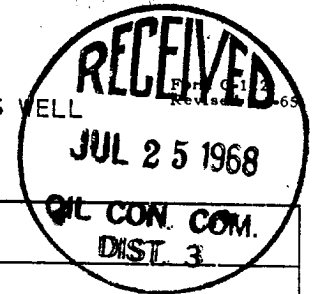


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL



Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 7-16-68			
Company Aztec Oil and Gas				Connection El Paso Natural Gas			
Pool Blanco Mesaverde				Formation Mesaverde			
Completion Date 7-2-68		Total Depth 4800'		Packer TD 4798'		Elevation 5770	
Csg. Size 4 1/2"		Wt. 9.5 & 10.5		Set At 4800'		Perforations: From 4405 To 4564	
Tbg. Size 2-3/8		Wt. 4540'		Set At 4540'		Perforations: From open ended To	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single				Packer Set At		Unit Sec. Twp. Rge. H 2 30N 12W	
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.	
S1	2"		3/4"				1050		1060	
1.							384		732	
2.										
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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	12.365		396	1.000	.9258	1.043	3828
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 _____ XXXXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXX
4.					Critical Pressure _____ P.S.I.A.
5.					Critical Temperature _____ R

P _c 1062	P _c ² 1127844	
NO.	P _t ²	P _w
1	156816	396
2		
3		
4		
5		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = \frac{1127844}{971028}$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 4292$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1615$$

Absolute Open Flow	4292	Mcf @ 15.025	Angle of Slope °	Slope, n .75
Remarks:				

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
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