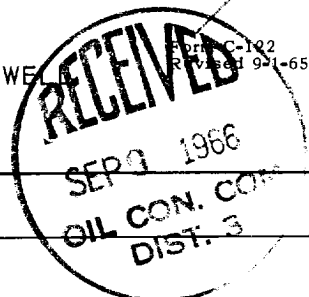


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL



Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 9/1/66	
Company Aztec Oil and Gas				Connection Southern Union Gathering		
Pool Blanco Mesaverde				Formation Mesaverde		Unit
Completion Date 8/26/66		Total Depth 4950		Plug Back TD 4855	Elevation 5983 GL	Farm or Lease Name Culpepper Martin
Csg. Size 3 1/2	Wt. 6.9	d 3.12	Set At 4923	Perforations: From 4748 To 4835		Well No. 1
Tbg. Size 1 1/2	Wt. 2.75	d 1.61	Set At 4812	Perforations: From 4812 To open ended		Unit Sec. Twp. Rge. M 21 32N 12W
Type Well - Single - Bradenhead - G.G. or G.O. Multiple single					Packer Set At	
Producing Thru tubing					Baro. Press. - P _a	
Reservoir Temp. °F @					Mean Annual Temp. °F	
County San Juan					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"		3/4"				701		702		
2.							170	60 (est)	552	60 (est)	3 hr
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, Mcfd
1.	12.365		182	1.000	.9258	1.022	2129
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	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 714	P _c ² 509,796		
NO.	P _t ²	P _w	P _w ²
1.			318,096
2.			191,700
3.			
4.			
5.			

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

$$ACF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = \underline{\underline{4428}}$$

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

Absolute Open Flow 4428 Mcfd @ 15.025	Angle of Slope θ _____	Slope, n .75
Remarks: _____		
Approved By Commission:	Conducted By:	Checked By:
	Carl E. Jamason	