

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

Form C-122
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 8-30-72					
Company Aztec Oil & Gas Company						Connection El Paso Natural Gas Company					
Pool Blanco						Formation Mesaverde					
Completion Date 8-1-72			Total Depth 6900			Plug Back TD 6846		Elevation 7614 GR		Farm or Lease Name La Baca	
Csg. Size 5 1/2"	Wt. 15.50	d	Set At 6903	Perforations: From 6706 To 6736				Well No. 1			
Tbg. Size 1 1/2"	Wt. 2.9#	d	Set At 6669	Perforations: From To				Unit Sec. Twp. Rge. B 1 29N 5W			
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single						Packer Set At -----		County Rio Arriba			
Producing Thru Tubing		Reservoir Temp. °F S		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							575		575		7 days
1.	2"		3/4				1		210		3 hrs
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		13		9253		149
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 _____ XXXXXXXXXX
3					Specific Gravity Flowing Fluid _____ XXXXX
4					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5					Critical Temperature _____ R _____ R

P _c 587	P _c ² 344,569	
NO.	P _w	P _w ²
1	222	49,284
2		
3		
4		
5		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.1669$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.1246$$

$$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 167$$

Absolute Open Flow _____ Mcfd @ 15.025	Angle of Slope Θ _____	Slope, n _____
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Remarks: _____

Approved By Commission:	Conducted By:	Calculated By:	Checked By:
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ORIGINAL SIGNED BY JOE C. SALMON