

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	
Company Aztec Oil & Gas Company		Connection Southern Union Gathering	
Pool Blanco		Formation Mesa Verde	
Completion Date 5-1-77		Total Depth 4981'	Plug Back TD 4924'
Elevation 5878' GR		Farm or Lease Name Culpepper Martin	
Gas Size 7.000 4.500	Wt. 20# 11.60#	d 6.456 4.000	Set At 2557 2412-4940
Perforations: From 4515' To 4846'		Well No. #13-A	
Tag. Size 2.375	Wt. 4.7#	d 1.995	Set At 4837'
Perforations: From To		Unit Sec. Twp. Rge. E 29 T32N R12W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single		Packer Set At -----	
Producing Thru Tbg		Reservoir Temp. °F a	
Mean Annual Temp. °F 12.2		Baro. Press. - P _a New Mexico	
L	H	G _g .700	% 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.	
SI							886		892	
1.	2"	X	3/4"				369		768	
2.							355		739	
3.							340		710	3 hrs
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		352.2	1.0000	.9258	1.0000	4032
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 904.2 P _c ² 817,578	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 2.7620$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2.1425$
NO. P _t ² P _w P _w ² P _c ² - P _w ²		
1 722.2 521,573 296,005		
2		
3		
4		
5		

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 8,639$

Absolute Open Flow 8,639 Mcfd @ 15.025	Angle of Slope θ _____ Slope, n .75
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Remarks: _____

Approved By Commission:	Conducted By: Cliff Pistole	Calculated By: James Smith	Checked By:
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