

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

Form O-102
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special					Test Date 4-9-71				
Company Arctel Oil Co., Inc.					Connection				
Tool Ballard					Formation Pictured Blk.				
Completion Date		Total Depth 2106		Plug Back TD 2064		Elevation 6145 GL		Farm or Lease Name	
Test Size 1.50	Wt.	d	Set At 2095	Perforations: From 2014 To 2016				Well No.	
Test Size 1.25 I.I.	Wt.	d	Set At 2023	Perforations: From To				Unit Sec. Twp. Rge.	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas					Packer Set At		County		
Producing Thru Thru		Reservoir Temp. °F @		Mean Annual Temp. °F		Baro. Press. - P _a		State	
L	H	G _g est 0.67	% 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							460		460	
1.										
2.	3/4" Pos Choke					60°	76			
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							
2.	12.365		28	1.0050	.9463	1.0000	1.520
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _i	Z	Gas Liquid Hydrocarbon Ratio _____ mol/mol.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas _____ XXXXXXXX
3.					Specific Gravity Flowing Fluid _____ XXXXXX
4.					Critical Pressure _____ P.S.I.A. _____ P.S.I.A.
5.					Critical Temperature _____ R _____ R

P _c 492	P _c ² 242,064			(1) $\frac{P_c^2}{P_c^2 - P_w^2} = \frac{1.6376}{}$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^{1/n} = \frac{1.520}{}$
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²	
1					
2		307	94,249	147,815	
3					
4					
5					

Absolute Open Flow 1566 Mcfd @ 15.025				Angle of Slope θ _____	
Remarks: _____					
Approved By Commission:		Conducted By: J.L.J.		Calculated By: J.L.J.	
				Checked By:	

