

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 1-26-72				
Company Continental Oil Company				Connection Unconnected					
Pool Undesignated				Formation Mesa Verde			Unit		
Completion Date 1-15-71		Total Depth 5375' RB		Plug Back TD 5337' RB		Elevation 6710' Grd		Farm or Lease Name AXI Apache "J"	
Csg. Size 1-15-71	Wt. 14#	d 5.012	Set At 5374' RB	Perforations: From 5048 To 5220' RB			Well No. 23		
Tbg. Size 2 3/8	Wt. 4.70	d 1.995	Set At 5014' RB	Perforations: From Open End To			Unit Sec. Twp. Rge. D 8 25 5		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Gas-Gas Dual				Packer Set At 5014' RB			County Rio Arriba		
Producing Thru Tubing		Reservoir Temp. °F 135 @ 5122' GR		Mean Annual Temp. °F 50°		Baro. Press. - P _a 12.2		State New Mexico	
L 5002'	H 5002'	Gg .680	% CO ₂ ---	% N ₂ ---	% H ₂ S ---	ROCK MOISTURE XXXX 3/4" Choke Nipple			

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							1143	50			S-I 7 Days
1.	3/4" Choke Nipple			72		51	72	51			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	9.604		84.2	1.009	1.129	1.016	936
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _r	Z	Gas Liquid Hydrocarbon Ratio 29.250 Mcf/bbl.	
1	.20	535	1.32	.968	A.P.I. Gravity of Liquid Hydrocarbons 49.0 Deg.	
2.					Specific Gravity Separator Gas .680 XXXXXXXXXX	
3.					Specific Gravity Flowing Fluid XXXXXX .784	
4.					Critical Pressure _____ P.S.I.A. 666 P.S.I.A.	
5.					Critical Temperature _____ R 418 R	

NO.	P _f	P _w	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} =$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n =$
1	7,090	164.6	27.096	1,307	1.0206	1.0154
2.						
3.						
4.						
5.						

Absolute Open Flow 950 Mcfd @ 15.025 Angle of Slope θ _____ Slope, n .75			
Remarks: Oil Estimated @ 4 bbls. during 3 hour test.			

Approved By Commission:	Conducted By: E.B. Errett	Calculated By: E.B. Errett	Checked By: D. Barnes
-------------------------	-------------------------------------	--------------------------------------	---------------------------------