

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 11-11-71			
Company Continental Oil Company					Connection Unconnected			
Pool Undesignated					Formation Point Lookout Mesa Verde		Unit 3	
Completion Date 11-4-71		Total Depth 5390'		Plug Back TD 5355'		Elevation 6769' KB		Farm or Lease Name AXI Apache "J"
Csg. Size 4.500	Wt. 10.5	d 4.052	Set At 5390	Perforations: From 5068 To 5324' KB		Well No. 18		
Tbg. Size 2.375	Wt. 4.70	d 1.995	Set At 5040' KB	Perforations: From Open To End 5040' KB		Unit A	Sec. 8	Twp. 25N
Type Well - Single - Broadhead - G.G. or G.O. Multiple Single (To Be dualled @ later date)					Packer Set At 5040' KB		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F 133° @ 5225' KB		Mean Annual Temp. °F 12.2		State New Mexico		
L 5028	H 5028	Gg 680	% 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							962				SI 7 Days
1.	2"x3/4" Choke			158		58°	183		Pkr.	Set	3 Hrs.
2.	Nipple										
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	12.3650		170.2	1.0019	.9393	1.019	2.018
2.							
3.							
4.							
5.							

NO.	P _f	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio 146 Mcf/bbl.
1	4.258	520	1.445	.950	A.P.I. Gravity of Liquid Hydrocarbons 48.6 @ 60° Dea.
2.					Specific Gravity Separator Gas .680 XXXXXXXX
3.					Specific Gravity Flowing Fluid XXXXXX
4.					Critical Pressure 669 P.S.I.A. P.S.I.A.
5.					Critical Temperature 385 R R

NO.	P _c	P _w	P _c ²	P _w ²	P _c ² - P _w ²	(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.1346$	(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.09934$
1	974.2	335.6	949.1	112.644	836.5		
2.							
3.							
4.							
5.							

Absolute Open Flow 2,218 Mcfd @ 15.025		Angle of Slope θ _____		Slope, n .75	
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Remarks: **This is the first Mesa Verde completion drilled on the AXI Apache "J" Lease. Its location is approximately 5 miles south of the nearest Mesa Verde producing well in the Blanco Pool. - This well will be dualled in Chacra @ later date.**

Approved By Commission:	Conducted By: E. B. Errett	Calculated By: E. B. Errett	Checked By: J. A. Mazza
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