

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 6-15-73	
Company Continental Oil Company				Connection Unconnected			
Pool Blanco				Formation Mesa Verde			
Completion Date 6-8-73		Total Depth 6100' KB		Plug Back TD 5991' KB		Elevation 7014' GR	
Farm or Lease Name AXI Apache "K"						Well No. 6	
Csg. Size 4.500	Wt. 9.5	d 4.090	Set At 6100' KB	Perforations: From 5283' To 5362' KB		Unit 6	
Tbg. Size 2 1/16	Wt. 3.25	d 5307' KB	Set At 5307' KB	Perforations: From . To		Unit G	Sec. 9
Type Well -- Single -- Bradenhead -- G.G. or G.O. Multiple Single				Packer Set At None		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F 135 @ 5314' GR		Mean Annual Temp. °F 50		Baro. Press. - P _a 12.2	
State New Mexico							
L 5296	H 5296	Gg .680	% CO ₂ ---	% N ₂ ----	% H ₂ S ----	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. hw	Temp. °F	Press. p.s.i.g.	Temp. °F	Press. p.s.i.g.	
SI							951		951	
1.	3/4" Choke Nipple			251		51		51	661	51
2.	3/4" Choke Nipple			167		54		54	662	54
3.	3/4" Choke Nipple			140		56		56	662	56
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	9.604		263.2	1.009	1.213	1.031	3205
2	9.604		179.2	1.006	1.213	1.020	2145
3	9.604		152.2	1.004	1.213	1.016	1805
4.							
5.							

NO.	P _t	Temp. °R	T _f	Z	Gas Liquid Hydrocarbon Ratio ∞ Mcf/bbl.
1.					A.P.I. Gravity of Liquid Hydrocarbons _____ Deg.
2.					Specific Gravity Separator Gas .680 XXXXXXXXXX
3.					Specific Gravity Flowing Fluid XXXXXX .680
4.					Critical Pressure _____ P.S.I.A. P.S.I.A.
5.					Critical Temperature _____ R R

P _c 963.2	P _c ² 927.7	
NO.	P _t ²	P _w ²
1		
2		
3	23.165	674.2
4		
5		

$$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 2.0119$$

$$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.6895$$

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

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OIL CON. COM.

DIST. 3

Absolute Open Flow 3050 Mcfd @ 15.025	Angle of Slope 0	Slope, n .75
Remarks: _____		
Approved By Commission:	Conducted By: E. B. Errett	Calculated By: F. B. Errett
	Checked By:	