

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 8/5/80			
Company Conoco Inc.				Connection None					
Pool South Blanco				Formation Mesa Verde				Unit C	
Completion Date 7/12/80		Total Depth 6190 K.B.		Plug Back TD 6,172 K.B.		Elevation 7207 G.L.		Farm or Lease Name AXI Apache	
Csg. Size 4 1/2"	Wt. 10.5#	d 4.052	Set At 6,172 K.B.	Perforations: From 5,383 To 5,963		Well No. N-16A			
Tub. Size 2 3/8	Wt. 4.7#	d 1.995	Set At 5,896 K.B.	Perforations: From OPEN To		Unit C	Sec. 12	Twp. 25N	Rge. 4W
Type Well - Single - Bradenhead - G.C. or G.O. Multiple Single - Gas				Packer Set At None		County Rio Arriba			
Producing Thru Tubing		Reservoir Temp. °F 138°		Mean Annual Temp. °F 50°		Baro. Press. - P _a 12.2		State N.M.	
L 5,887	H 5,887	Gg .690	% CO ₂	% N ₂	% H ₂ S	Prover 3/4" x 6"	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	S.I. 7 DAYS						1242#		1242#		S.I.
1.	.750 x 6" Choke			170#			170#	69°	650#		3 HOURS
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 Fg	Super Compress. Factor, Fpv	Rate of Flow Q, Mcfd
1	11.0		182.2	.9915	1.204		2392.5
2.							
3.							
4.							
5.							

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

$P_c = 1254.2$ $P_c^2 = 1573017$				$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.0897$	$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.0665$	
NO.	P _t	P _w	P _w ²	P _c ² - P _w ²		
1	33196.8	359.96	129572.2	1443445		
2						
3						
4						
5						

$AOF = Q \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2551.6$

$\frac{P_c^2}{P_c^2 - P_w^2} = 1.0897$

Absolute Open Flow 2551.6 Mcfd @ 15.025	Angle of Slope @ _____	Slope, n .75
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Remarks: **Fc 9.402 G.L. 4062 I.C.⁵ .256 P_t 182.2**

Approved by Commission:	Conducted By: R.A.F.	Calculated By: RAF	Checked By:
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