

**NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FORM GAS WELL**

Form C-122
Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 10/15/80	
Company CONOCO INC.			Connection NEW		
Pool S. Blanco			Formation Mesa Verde		Unit A
Completion Date 10/1/80		Total Depth 6120		Plug Back TD 6075	Elevation 7,175
Farm or Lease Name AXI APACHE					
Csg. Size 4 1/2	Wt. 10.5	d 4.052	Set At 6075	Perforations: From 5289 To 5593	
Well No. M-7					
Tbg. Size 2 3/8	Wt. 4.7	d 1.992	Set At 5420	Perforations: From — To —	
Unit Sec. Twp. Rge. A 13 25N 4W					
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas				Packer Set At None	
Producing Thru Tubing				County Rio Arriba	
Reservoir Temp. °F 128		Mean Annual Temp. °F 50		Baro. Press. - P _a 12.2	
State N.M.					
L * 6092	H 6092	G _g .610	% 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						645		1150		S.I.
1.	.750 x 6" C.N.						112	50	690		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 F _t	Gravity Factor F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	11.0		124.2	1.010	1.280		1766.22
2.							
3.							
4.							
5.							

NO.	P _t	Temp. °R	T _f	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.
5.					Critical Temperature	R

P_c **1162.2** P_c² **1350708.84**

NO.	P _t	P _w	P _w ²	P _c ² - P _w ²
1	15425.64	255.47	65370.36	1285338
2.				
3.				
4.				
5.				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.05$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.03$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1819.2$

Absolute Open Flow 1819.2	Mcf/d @ 15.025	Angle of Slope @	Slope, n .75
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Remarks: ***180' Flare Line for choke to pit f_c = 9.402**

Approved By Commission:	Conducted By: RAF	Calculated By: RAF	Checked By:
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