

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 11/28/83				
Company Conoco Inc.				Connection New					
Pool South Blanco				Formation Mesita Verde				Unit P	
Completion Date 11/18/1983		Total Depth 6136'		Plug Back TD 6075		Elevation 7091		Farm or Lease Name AXI Apache M	
Csg. Size 5 1/2	Wt. 15.5	d 4.976	Set At 6136'	Perforations: From To			Well No. 8A		
Tbg. Size 2 3/8	Wt. 4.7	d 1.995	Set At 5791	Perforations: From 5250 To 5849			Unit Sec. Twp. Rge. P 14 25N 04W		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Multiple / Gas, Gas					Packer Set At		County Rio Arriba		
Producing Thru Tubing		Reservoir Temp. °F 143° @ 5549		Mean Annual Temp. °F 55° F		Baro. Press. - P _a 12.2		State New Mexico	
L 5776	H 5776	G _g .680	% 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	7 DAYS						1232 [#]		1235 [#]		5.I.
1.	3/4" x 6" Chok Nipple						121 [#]	58' F	450 [#]		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	11.00		133.2	1.022	1.213	N/A	6790
2.							
3.							
4.							
5.							

NO.	P _f	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 _____ 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

NO.	P _c ²	P _w ²	P _w ²	P _c ² - P _w ²
1	17742	1247	1555501	1486030
2.				
3.				
4.				
5.				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.046$

AGF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1,841$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.034$

Absolute Open Flow	1,841	Mcfd @ 15.025	Angle of Slope	Slope, n .75
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Remarks: Picture cut zone still to be completed

Approved By Commission:	Conducted By: R.A. Janner	Checked By: R.A. Janner	Checked By: [Signature]
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