

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

Form C-137
 Revised 9-1-65

Type Test ☒ Initial ☐ Annual ☐ Special						Test Date 9/19/80	
Company Conoco Inc.				Connection New			
Pool South Blanco				Formation Mesa Verde		Unit B	
Completion Date 8/2/80		Total Depth 6210 K.B.		Plug Back TD 6185 K.B.		Elevation 7381'	
Farm or Lease Name AXI Apache N							
Csg. Size 4 1/2"	Wt. 10.5#	a 4.052	Set At 6197 K.B.	Perforations: From 5434 To 6114		Well No. 11 A	
Tub. Size 2 3/8	Wt. 4.7#	a 1.995	Set At 6073 K.B.	Perforations: From - To -		Unit Soc. Twp. Rge. B 12 T25 4W	
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single - Gas				Packer Set At None		County Rio Arriba	
Producing Thru Tubing		Reservoir Temp. °F 116°		Mean Annual Temp. °F 50°		Baro. Press. - P _a 12.2	
State New Mexico							
L 6061'	H 6061'	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						1270#		1292#		S.I.
1.	.750" x 6" Choke						96#	66°	490#		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, F _{pv}	Rate of Flow Q, Mcfd
1	11.0		108.2	.9943	1.280	N/A	1514.77
2.							
3.							
4.							
5.							

NO.	P _r	Temp. °R	T _r	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 _r	P _w	F _w ²	P _c ² - P _w ²
1	11707.24	218.814	47879.77	1653057.
2.				
3.				
4.				
5.				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.028$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1545.06$

(2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.02$

Absolute Open Flow	1545.06	Mcf @ 15.025	Angle of Slope @	Slope, n .75
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Remarks: K.B. 12-0"

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