

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 10-9-80	
Company CONOCO INC.			Connection New			
Pool S. Blanco			Formation Mesa Verde		Unit	
Completion Date 9-30-80		Total Depth 6291	Plug Back TD 6280		Elevation 7300	
Farm or Lease Name AXI APACHE						
Csg. Size 4 1/2"	Wt. 10.5	d 4.052	Set At 6291'	Perforations: 5512 To 5752 From 5910 To 6110		
Tbg. Size 23/8	Wt. 4.7	d 1.992	Set At 5937'	Perforations: - To -		
Type Well - Single - Bradenhead - G.G. or G.O. Multiple Single Gas				Packer Set At None		
Producing Thru Tubing		Reservoir Temp. °F 130°	Mean Annual Temp. °F 50°	Baro. Press. - P _a 12.2		
State N.m.						
L 5957'	H 5957	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	6 I. 7 DAYS						1180#		1189#		S.I.
1.	.750 x 6"						114#	75°	551#		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 F _g	Super Compress. Factor, F _{pv}	Rate of Flow Q, Mcfd
1	11.0		126.2	.9859	1.280	N/A	1751.84
2.							
3.							
4.							
5.							

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

P _c 1201.2 P _c ² 1442881.44				
NO.	P _t ²	P _w	P _w ²	P _c ² - P _w ²
1	15926.4		62954.5	
2				
3				
4				
5				

(1) $\frac{P_c^2}{P_c^2 - P_w^2} = 1.04$ (2) $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.02$

AOF = Q $\left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1786.87$

Absolute Open Flow 1786.87 Mcfd @ 15.025		Angle of Slope θ	Slope, n .75
Remarks: F_c = 9.402 I₂₃ = .232 31' Blow Down Line 12.0 K.B.			

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