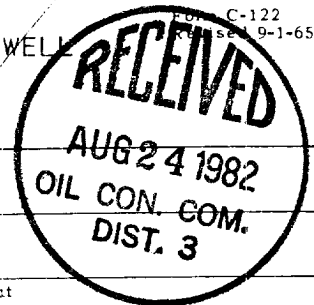


NEW MEXICO OIL CONSERVATION COMMISSION
MULTIPOINT AND ONE POINT BACK PRESSURE TEST FOR GAS WELL



Type Test ☒ Initial ☐ Annual ☐ Special				Test Date 8/23/82	
Company Conoco Inc.				Connection New	
Pool South Blanco				Formation Picture Cliff	
Completion Date 8/13/82		Total Depth 5945		Plug Back TD 5876'	
Csd. Size 5 1/2		Wt. 15.5		Elevation 6892'	
d 4.950		Set At 5945		Perforations: 3540 3556 P.C. From 5204 To 5256 M.V.	
Tbg. Size 2 3/8		Wt. 4.7		Unit P	
d 1.995		Set At 3500		Farm or Lease Name AXI APACHE	
Type Well - Single - Brockenhead - G.G. or G.O. Multiple Multiple Gas-Gas				Well No. K 5 A	
Producing Thru Tubing				County Rio Arriba	
Reservoir Temp. °F 112°F @ 3537'		Mean Annual Temp. °F 55°		State N.M.	
L 3504		H 3504		Prover 3/4"	
Gg .645		% CO ₂		Meter Run	
% N ₂		% H ₂ S		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						895#		900#		
1.	3/4" x 6" C.N.						142#	66°	24.6#		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		154.2	.9943	1.245	N/A	2,099
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

$P_c = 912.2$ $P_c^2 = 832108.84$					$(1) \frac{P_c^2}{P_c^2 - P_w^2} = 1.076$	$(2) \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 1.064$
NO.	P _r ²	P _w	P _w ²	P _c ² - P _w ²		
1	23777.6	243.35	59222.0	772886.8		
2						
3						
4						
5						

$ACF = C \left[\frac{P_c^2}{P_c^2 - P_w^2} \right]^n = 2233.3$			
Absolute Open Flow 2233.3		Mcf @ 15.025	
Angle of Slope θ		Slope, n .85	

Remarks: 12'0" K.B.

Approved By Commission:	Conducted By: Richard Farmer	Calculated By: Richard Farmer	Checked By:
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